EXHIBIT B10

IN THE UNITED STATES DISTRICT COURT FOR THE DISTRICT OF NEW JERSEY

----X

IN RE: JOHNSON & JOHNSON

TALCUM POWDER PRODUCTS

MDL No.:

MARKETING, SALES PRACTICES,

16-2738 (FLW)(LHG)

AND PRODUCTS LIABILITY

LITIGATION

----X

ORAL AND VIDEOTAPED DEPOSITION OF DANIEL L. CLARKE-PEARSON, M.D.

MONDAY, FEBRUARY 4, 2019

9:03 A.M.

Taken by the Defendants

at The Carolina Inn 211 Pittsboro Street Chapel Hill, North Carolina 27516

Reported by Sophie Brock, RPR, RMR, RDR, CRR

GOLKOW LITIGATION SERVICES 877.370.3377 ph | 917.591.5672 fax deps@golkow.com

A P F LA A N CES CONSIDERITY OF THE PLANTENS			Page 2		Page	4
2	1	APPEARANCES	_	1 INDEX OF FYAMINATIONS	-	
PORTIS & MILES, F.C. 4 218 Commerce Street 5 15 15 15 15 15 15 15						
2 218 Commerce Street 5 Montgourney, Alabama 340	3					
Montgomery, Alabama 30104 5 Telephone (130) 202-131 5 Te	4					
Telephone (13) 209-211.		Montgomery, Alabama 36104				
Section Sect	5					
Same Section	6					
BILOGO HIBST & GREARION, LIP 11 12 12 13 14 15 16 16 16 16 16 16 16	_					
BLOOD HERST & OREARDON, LLP 50 West Breadway, Sale 1490 12						
10 Sam Deps, Califorms 27:101 Telephone (16) 93.81 100 1						
Telephone: (16) 93-38-1100 13 Firm, dated January 4, 2019 21 22 24 25 25 25 25 25 25		501 West Broadway, Suite 1490				
1	10					
14	11					
30 SEHALF OF THE DEFENDANT DINNSON & JOHNSON' DINNSON & JOHNSON & JOH		pbrown@bholaw.com				
JOHNSON & JOHNSON 15 15 15 15 15 15 15 1		ON BEHALF OF THE DEFENDANT		£ 1		
Table Tabl						
1	14					
Frorty-Second Floor 1	15			16 Daniel Clarke-Pearson, MD,		
1	1.0					
18	16	Los Angeles, California 90071				
18	17					
DRINKER BIDLE & REATH, LLP				19 Exhibit 6 Exhibit B: Listing of additional 33		
DRINKER BIDDLE & REATH, LLP 600 Campus Drive Forbam Park, New Jersey (1973-1047 Telephone: (1973-549-7164 Telephone: (1973-549-7164 DEBY JESSICAL BERNAN, ESQ. Jessica breman @ dbr.com Page 3 A PPE AR AN C ES (Continued) ON BEHALF OF THE DEFENDANT MERYS TALC AMERICA, NC: DYKEMA GOSSETT, PLLC Till E. Pecan Street, Suite 1800 San Antonio, Tesus 78205 Telephone: (20) 554-5549 By JANEE BOKTIS, ESQ. Johnstown, New Jersey 07962 Telephone: (20) 554-5549 By Mary Land, MESSHA, ESQ. Johnstown, New Jersey 07962 Telephone: (27) 264-3400 N BEHALF OF THE DEFENDANT PIESCONAL CARE PRODUCTS COUNCIL: Self-Park Street, Suite 1800 Son Maristown, New Jersey 07962 Telephone: (27) 264-3400 By JANEE R BILLINGS-RANG, ESQ. Johnstown, New Jersey 07962 Telephone: (27) 264-3400 By JANEE R BILLINGS-RANG, ESQ. Johnstown, New Modern of the Council o	18					
DRINKER BIDDLE & REATH, LIP 00 (Campus Drive Forham Park, New Jersey (1993-1047 1 Telephone: (197) 3-97-164	19	- and -				
20	10	DRINKER BIDDLE & REATH, LLP				
22 Telephone: (973, 549-7164 By. JESSICA L BERNAN, ESQ. 23 jessica.brennan@dbr.com Page 3 A PPE AR AN CE S (Continued) ON BEHALF OF THE DEFENDANT IMERYS TAIC AMERICA, INC.: DYKEMA COSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (21) 554-5549 By. JANES B WILGMALA, ESQ. Telephone: (21) 325-3054 Down Karshel Avenue Morrisowa, New Jersey (1962) Telephone: (21) 465-3400 By. JAMES R BILLINGS-KANG, ESQ. joines, mizglan@tuckerellis.com 24 SIDEOCRAPHER: 25 WIDEOCRAPHER: 26 Jimes Marker of the DEFENDANT PIT: 17 TUCKER ELLIS 19 TLOKER FILLS 23 South Wacker Drive Cheesing Minch (20) 461-840 Eshibit 17 Article from the National 10 Concert instruction of title "Evolution of Locare printon" in Received the Concert of Locare Professional Propagation of Locare Professional Propagation of Locare Professional Propagation of Locare Professional Propagation of Locare Professional Profess	20			and Analysis of Clinical		
By. JESSICA L. BRENNAN, ESQ. jesska.brennan@dbr.com 2 jesska.brennan@dbr.com 2 page 3 Land P.F. A. R. A. N. C. E. S. (Continued) 2 ON BEHALFOF THE DEFENDANT MERYS TAIC AMERICA, INC.: DYKEMA GOSSETT, PILC 1 112 E. Pecan Street, Suite 1800 5 an Antonio, Textus 78205 5 Telephone: (210) 554-5549 By. JANE B. DEKCKUS, ESQ. jobcks@dykema.com 2 Morristown, New Jersey (1962 Telephone: (27) 3267-0058 Dy Morristown, New Jersey (1962 Telephone: (27) 3267-0058 Dy By. MANE B. DEVENDANT DISCRIPTION DISCR	21					
Exhibit 8 UpiTolate reprint of article	21					
24		jessica.brennan@dbr.com				
Page 3 Page 5				24 titled "Evidence-based medicine,"		
Page 3 A P P E A R A N C E S (Continued) ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E Pecan Street, Suite 1800 San Antonio, I resus 78205 Telephone: (210) 554-5549 By: JANEE B BOCKUS, ESQ. Jibockus@dykema.com A GOUCHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey (07962 Telephone: (273) 267-0088 Discovery of the Defendant personal control of the process of						
A P P E A R A N C E S (Continued) 2				25 MPH, and Gregory Mints, MD, FACP		
1						
ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, NC.: 3			Page 3		Page	5
MERYS TALC AMERICA, INC.: 1	_	ADDE AD ANGER (G.)	Page 3	1 NDTV OF FWHIPTY (C)	Page	5
DYKEMA GOSSETT, PLLC			Page 3		Page	5
DYKEMA GOSSETT, PLLC		ON BEHALF OF THE DEFENDANT	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36	Page	5
San Antonio, Texas 78205 Exhibit 11 Folder marked "EPI"	2	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.:	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al.	Page	5
Telephone: (210) 554-5549 Exhibit 12 Folder titled "ANIMALS"	3	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37	Page	5
Special Color Special Colo	3	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5	Page	5
Source S	2 3 4	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
S	2 3 4 5	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ.	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	Page	5
350 Mount Kemble Avenue 9	2 3 4 5	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	Page	5
Telephone: (973) 267-0058 10 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com 11 ON BEHALF OF THE DEFENDANT personal Care, "by Matthew F. Kohler, et al. 12 ON BEHALF OF Street, N.W. washington, DC 20004-1454 15 Telephone: (202) 463-2400	2 3 4 5 6 7	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and -	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
10 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com 11 ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: 13 SEYFARTH SHAW LLP 14 975 F Street, N.W. Washington, DC 20004-1454 15 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com 17 ON BEHALF OF THE DEFENDANT PTI: 19 TUCKER ELLIS 233 South Wacker Drive 20 Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com 22 VIDEOGRAPHER: 23 VIDEOGRAPHER: 24 Brad Smith Exhibit 16 Article titled "Spectrum of	2 3 4 5 6 7 8	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	Page	5
mmeseha@coughlinduffy.com 11	2 3 4 5 6 7 8	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. SEYFARTH SHAW LLP SEYFARTH SHAW LLP 14 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and Primary Peritoneal Cancer Prevention (PDQ®) - Health Professional Version" Exhibit 19 Letter from FDA Department of 113 Health and Human Services, dated April 1, 2014, to Samuel S. Epstein, M.D. 23 VIDEOGRAPHER: Brad Smith Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and Primary Peritoneal Cancer Prevention (PDQ®) - Health Professional Version" Exhibit 19 Letter from FDA Department of 113 Health and Human Services, dated April 1, 2014, to Samuel S. Epstein, M.D. 23 VIDEOGRAPHER: Brad Smith	2 3 4 5 6 7 8	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
PERSONAL CARE PRODUCTS COUNCIL: 14 Kohler, et al. 14 Kohler, et al. 15 SEYFARTH SHAW LLP 15 Ovarian Cancer, published by Ovarian Cancer, published Cancer, published by Ovarian Cancer, published Cancer Davis Cancer Cancer, published Cancer Davis Cancer Cancer Cancer Cancer Cancer Cancer C	2 3 4 5 6 7 8 9	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ.	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
13	2 3 4 5 6 7 8 9 10	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
15	2 3 4 5 6 7 8 9 10	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
Daniel L. Clarke-Pearson, M.D., Washington, DC 20004-1454 16	2 3 4 5 6 7 8 9 10 11 12	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL:	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
Telephone: (202) 463-2400 Medicine	2 3 4 5 6 7 8 9 10 11 12	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	Page	5
By: JAMES R. BILLINGS-KANG, ESQ. 17	2 3 4 5 6 7 8 9 10 11 12	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W.	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
18	2 3 4 5 6 7 8 9 10 11 12 13	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	Page	5
18 ON BEHALF OF THE DEFENDANT PTI: 19 TUCKER ELLIS 233 South Wacker Drive 20 Chicago, Illinois 60606 Telephone: (312) 624-6300 21 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com 22 VIDEOGRAPHER: 24 Brad Smith "Ovarian, Fallopian Tube, and Primary Perioneal Cancer Prevention (PDQ®) - Health Professional Version" Exhibit 19 Letter from FDA Department of 113 Health and Human Services, dated April 1, 2014, to Samuel S. Epstein, M.D. 23 Exhibit 20 International Agency for 124 Research on Cancer printout listing agents classified by the	2 3 4 5 6 7 8 9 10 11 12 13 14	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ.	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 5 Exhibit 11 Folder marked "EPI"	Page	5
19	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ.	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
233 South Wacker Drive 20	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. 4 Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	Page	5
Telephone: (312) 624-6300 21 By: JAMES W. MIZGALA, ESQ.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
21 By: JAMES W. MIZGALA, ESQ.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
22 Exhibit 20 International Agency for 124 23 VIDEOGRAPHER: 24 Brad Smith Exhibit 20 International Agency for	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
22 Exhibit 20 International Agency for	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ.	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
24 Brad Smith Escaring to Cancer principle listing agents classified by the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ.	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
instant agents examined by the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com VIDEOGRAPHER:	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5
	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com VIDEOGRAPHER:	Page 3	2 NUMBER DESCRIPTION MARKED 3 Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	Page	5

	Page 6		Page 8
1	INDEX OF EXHIBITS (Continued)	1	PROCEEDINGS
2	NUMBER DESCRIPTION MARKED Exhibit 21 Article titled "Perineal Use of 136	2	THE VIDEOGRAPHER: We are now on
4	Talc and Risk of Ovarian Cancer," by H. Langseth, et al.	3	record. Today's date is February 4, 2019, and the
5	Exhibit 22 Article titled "Genital Use of 152	4	time is approximately 9:03 a.m.
6	Talc and Risk of Ovarian Cancer: A Meta-Analysis," by Wera Berge,	5	This is the videotaped deposition of
7	et al.	6	Dr. Daniel Clarke-Pearson. It's being taken in
8	Exhibit 23 Ovid SP printout of article 152 titled "Genital Use of Talc and	7	regards to the Talcum Powder Litigation, MDL No. 2738.
	Risk of Ovarian Cancer: A	8	Would counsel please now introduce
9	Meta-Analysis," by Wera Berge, et al.	9	themselves for the record, and then our court reporter
.0	Exhibit 24 Article titled "Perineal Talc 153	10	will swear in the witness.
1	Use and Ovarian Cancer A	11	MS. O'DELL: Leigh O'Dell from
.2	Systematic Review and Meta-Analysis," by Ross	12	Beasley Allen, on behalf of the plaintiffs.
.3	Penninkilampi and Guy D. Eslick	13	MS. THOMPSON: Margaret Thompson,
4	Exhibit 25 Article titled "Association 159 between Body Powder Use and	14	Beasley Allen, on behalf of the plaintiffs.
	Ovarian Cancer: The African	15	MS. BROWN: Paula Brown from Blood,
.5	American Cancer Epidemiology Study (AACES)," by Joellen M.	16	Hurst & O'Reardon, on behalf of the plaintiffs.
.6 .7	Schildkraut, et al. Exhibit 26 Article titled "The Association 190	17	MR. ZELLERS: Michael Zellers, on
	Between Talc Use and Ovarian	18	behalf of the Johnson & Johnson defendants.
8	Cancer A Retrospective Case-Control Study in Two US	19	MS. BRENNAN: Jessica Brennan, on
9	States," by Daniel W. Cramer, et al.	20	behalf of the Johnson & Johnson defendants.
0		21	MR. BILLINGS-KANG: James
1	Exhibit 27 Article titled "The	22	Billings-Kang, Seyfarth Shaw, on behalf of Personal
2	Cosmetic Talc Usage and Ovarian Talc Particle Burden," by	23	Care Products Council.
	Debra S. Heller, MD, et al.	24	MS. BOCKUS: Jane Bockus, on behalf of
23 24 25		25	Imerys.
	Page 7		Page 9
1	1490 /		rage
	INDEX OF EXHIBITS (Continued)	1	MC MESELA: Maryam Masaha, on bahalf
2	INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED	1 2	
	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238	2	of Imerys.
2	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and	2 3	of Imerys. MR. MIZGALA: James Mizgala, on behalf
2	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of	2 3 4	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI.
2	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and	2 3 4 5	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon,
2 3 4	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292	2 3 4 5 6	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD,
2 3 4 5 6	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292 Framework for Identifying,	2 3 4 5 6 7	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed,
2 3 4 5	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292 Framework for Identifying, Assessing, and Managing Health	2 3 4 5 6 7 8	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows:
2 3 4 5 6	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000	2 3 4 5 6 7 8	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE
2 3 4 5 6 7 8	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and 300	2 3 4 5 6 7 8 9	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS
2 3 4 5 6	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and 300 Meta-Analysis of the Association	2 3 4 5 6 7 8 9 10	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS:
2 3 4 5 6 7 8	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and 300	2 3 4 5 6 7 8 9 10 11	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please.
2 3 4 5 6 7 8 9	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and	2 3 4 5 6 7 8 9 10 11 12 13	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson.
2 3 4 5 6 7 8 9	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your
2 3 4 5 6 7 8 9 L0	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation.
2 3 4 5 6 7 8 9 10 11 12 13	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir. Q. You've given a number of depositions in the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir. Q. You've given a number of depositions in the past; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir. Q. You've given a number of depositions in the past; is that right? A. I have.
2 3 4 5 6 7 8 9 10 11 12 13 14 11 15 16 17 18 19 20	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir. Q. You've given a number of depositions in the past; is that right? A. I have. Q. You are familiar with the rules that we're
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir. Q. You've given a number of depositions in the past; is that right? A. I have. Q. You are familiar with the rules that we're going to follow here today?
2 3 4 5 6 7 8 9 10 112 13 14 15 16 17 18 19 20 21 22	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir. Q. You've given a number of depositions in the past; is that right? A. I have. Q. You are familiar with the rules that we're going to follow here today? A. Yes.
2 3 4 5 6 7 8	NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder,238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation. You're aware of that? A. Yes, sir. Q. You've given a number of depositions in the past; is that right? A. I have. Q. You are familiar with the rules that we're going to follow here today?

Page 12 Page 10 1 you don't understand and we'll repeat or rephrase the 1 you know, across the board. If there is a document 2 question so it's clear to you. 2 that he has in his possession that may be 3 3 Can you do that? objectionable, then he can tell us what it is and you 4 A. Yes, sir. 4 can assert your objection. MS. O'DELL: Well, you asked if he had 5 5 Q. If you answer a question, we're going to assume that you understood it. Is that fair? 6 6 brought them here, and Dr. Clarke-Pearson has only 7 A. Fair. 7 brought materials subject to requests that are not 8 MS. O'DELL: Objection. 8 objectionable, which include the materials listed in 9 9 BY MR. ZELLERS: his materials-considered list that are in the binders 10 10 Q. As we go along, only one of us can speak at a behind me on the table. 11 11 time. So please try to let me finish my question They also include binders of cited 12 before you answer. I will try to allow you to finish 12 materials, his report, invoices, and the cases in 13 your answer so that we can get the best record 13 which he has provided testimony within the last five 14 14 years. I think he has a copy of his report in front possible. 15 Is that agreeable? 15 16 16 A. Agreeable. Those are the materials we view to be 17 17 Q. All right. You are following this, nonobjectionable, and those are what 18 apparently, on the realtime; is that right? 18 Dr. Clarke-Pearson has brought with him today. 19 19 A. Yes. MR. ZELLERS: Okay. Ms. O'Dell, as 20 Q. Is that going to be distracting to you? 20 we -- I would appreciate it if you let the witness 21 A. It might be. 21 answer the questions. I do appreciate the 2.2 Q. All right. Well, have you ever done that 22 clarification. But, as we go along today, if you'll 23 before in a deposition? 23 do your best, you know, to follow the rules. I mean, 24 A. No, sir. 24 the both of us need to follow in terms of objections. 25 25 Q. Well, if it becomes distracting, then we'll I'd appreciate it. Page 11 Page 13 1 deal with it. 1 MS. O'DELL: Well, certainly, I'm going 2 2 You are here pursuant to a notice of to follow the rules today, but it's because of the 3 3 deposition. We've marked the notice of deposition as objections asserted and because it's unclear to what 4 4 degree Dr. Clarke-Pearson is familiar with all the 5 5 (Exhibit No. 1 was marked for identification.) requests and all the objections, then that was just a 6 6 BY MR. ZELLERS: difficult question for him -- maybe an unfair question 7 7 Q. Can you take a look at that and let us know for him. And so I have responded in keeping with our 8 if you've seen that before? 8 previously served objections. 9 MS. O'DELL: I would just reassert that 9 MR. ZELLERS: I don't think asking him 10 the objections to certain document requests in the 10 if he's gone through the request for production of 11 notice, I think those were previously served. 11 documents and can identify for us any documents that 12 MR. ZELLERS: Yes, we did receive the 12 are in your possession that are responsive that you've 13 objections of plaintiffs. 13 not brought here today, I don't think that is a THE WITNESS: Yes, I've seen this. 14 difficult question. But let's have Dr. Clarke-Pearson 14 15 BY MR. ZELLERS: 15 answer it. 16 Q. If you go to -- beginning on page 3, there 16 THE WITNESS: I don't think I've 17 are a number of documents that are requested be 17 brought any of these documents here today. Counsel 18 produced here today. 18 has some of them, like my curriculum vitae. 19 Have you either brought with you here today 19 BY MR. ZELLERS: 20 or supplied to counsel for plaintiffs all of the 20 Q. My question, I guess, goes to -- so that we 21 documents and materials in your possession that are 21 can identify whether there's anything at all for us 22 requested in the deposition notice? 22 that we need to fight about should be produced.

4 (Pages 10 to 13)

Are there documents that are responsive to

the notice of deposition that are not being produced

here today, to your knowledge, that originated from

23

24

25

MS. O'DELL: To the degree that they

MR. ZELLERS: No. My question goes,

are not objectionable --

23

24

25

Page 14 Page 16 1 you and are in your possession? 1 and then has advised me that you have reviewed a 2 A. I think let's just walk through the list, 2 number of additional materials since you prepared your 3 3 report. So I'd like to go through those now, if we then. I don't have a CV in my possession, but counsel 4 4 5 5 Notice of deposition, Exhibit 2, is a copy, Q. And, Doctor, to shortcut this, I don't need 6 6 to go through and ask you, you know, what documents it appears, of your invoices in this matter. Is that 7 are being produced. 7 8 Are you aware of documents that are called 8 (Exhibit No. 2 was marked for identification.) 9 9 for in the notice of deposition that are not being THE WITNESS: Yes, sir. 10 10 BY MR. ZELLERS: produced today? 11 11 A. I don't -- I would have to go through this Q. You have spent a total of 20 hours working on 12 list. I don't have any documents with me aside from 12 this matter since being retained back in April of 13 13 2017; is that right? what you've just described. 14 Q. So you've reviewed the notice of deposition 14 MS. O'DELL: Object to the form. 15 in preparation for today; correct? 15 THE WITNESS: Up until the preparation 16 A. Yes. 16 of -- and submission of my report, I spent 20 hours. 17 17 BY MR. ZELLERS: Q. You knew that was important; correct? 18 A. Yes. 18 Q. All right. You prepared your report, you 19 19 Q. And yet you're unable to tell us whether or edited your report, and you submitted your report on 20 not there are documents that are in your possession 20 November 4th of 2018; is that right? 21 that are called for in the notice of deposition that 21 A. I believe it was -- I submitted it, but 22 you are not producing today; is that right? 22 I think it was November 16th, 2018. 23 MS. O'DELL: Objection. That's not 23 Q. Did you bill any time or spend any time on 24 24 the MDL talcum powder litigation between correct, but --25 25 November 4th of 2018 and the end of the year, MR. ZELLERS: Well, he can answer. Page 15 Page 17 1 MS. O'DELL: I've made my objection --1 December 31st of 2018? 2 2 MR. ZELLERS: Understood. A. Yes. 3 MS. O'DELL: -- which I'm perfectly 3 Q. How much additional time did you spend during 4 entitled to do that, as you know. 4 that time? 5 MR. ZELLERS: You certainly are. You 5 A. I don't know exactly. I'd have to go back to 6 certainly are. 6 several notes that I have on records and papers and 7 MS. O'DELL: So, Dr. Clarke-Pearson, 7 that sort of thing. I would say between 8 just answer to the best of your knowledge, and, of 8 November 4th and today, it's been about 60 hours. 9 course, there are objections that have been asserted; 9 O. 60 additional hours? 10 and to the degree you're not familiar with those 10 A. Yes, sir. 11 details, then counsel and I can sort that out later. 11 Q. So you spent 20 hours talking with counsel, 12 THE WITNESS: So documents -- I do not 12 doing whatever research and analysis you needed to do, 13 have any of these documents in my possession. For 13 and writing your report; is that right? 14 example, I thought I saw -- passed you a document 14 15 showing my billing and collections to date. Isn't 15 Q. You have spent an additional 60 hours since 16 that right on top? 16 that time; is that right? 17 BY MR. ZELLERS: 17 18 Q. My question was are you aware, as you sit 18 Q. If your invoice is dated January 4th of 2019, 19 here right now, of any documents that you have that 19 Exhibit 2, why does none of that time appear on your 20 are responsive to the notice of deposition that are 20 21 not in the large pile of materials that we have here 21 A. Because my accounting office turned this over 22 today? 22 on January 4th. I submitted -- I submitted this 23 A. I'm not aware of any. 23 invoice to my business manager, and this is when it 24 Q. All right. Ms. O'Dell produced for us or 24 was submitted from our office. 25 provided to me two documents prior to the deposition 25 Q. I guess I don't understand. You tell me that

5 (Pages 14 to 17)

	Page 18		Page 20
1	you have worked a considerable amount of time between	1	Ms. O'Dell strike that with Dr. Thompson over
2	November 4th of 2018 and the end of 2018; correct?	2	the years?
3	A. Yes.	3	A. I believe she probably called me somewhere
4	Q. Why is that time and those hours not	4	before April 17th when I was retained and described
5	reflected on your invoice which is dated January 4th	5	work that was ongoing with talcum powder. So we had a
6	of 2019?	6	conversation. I didn't bill for that.
7	A. Because I hadn't submitted the request for my	7	Q. You knew Dr. Thompson socially before being
8	business manager to submit the invoice to the	8	retained; is this correct?
9	attorneys.	9	A. Yes.
10	Q. Why did you cut off your time entry as of	10	Q. Other than
11	November 4th, 2018?	11	A. And excuse me. And professionally.
12	MS. O'DELL: Object to the form.	12	Q. Socially and professionally.
13	THE WITNESS: I think there was a gap.	13	What professional interaction did you have
14	I can't tell you when I picked up again after	14	with Dr. Thompson since the time that you were a
15	November 4th, after I did the report. There was a	15	resident and a fellow at Duke University?
16	time when I wasn't actively involved reading,	16	A. Okay. So since that time I mean,
17	preparing.	17	throughout her residency, we were professionally
18	BY MR. ZELLERS:	18	involved with training and taking care of patients.
19	Q. Do you keep track of the time that you spend	19	Subsequent to her completing her residency, I've not
20	doing activities as an expert witness in the MDL	20	had any professional interaction with her per se.
21	talcum powder litigation?	21	Q. Were you socially involved with Dr. Thompson
22	A. Yes.	22	while the two of you were at Duke?
23	Q. And do you keep that on a regular, systematic	23	A. No.
24	basis?	24	Q. You might go to events and see one another,
25	A. Not so much.	25	but in terms of any relationship between the two of
	D 10		
	Page 19		Page 21
1	Q. Were you first retained back in April of 2017	1	you, there was none; is that fair?
1 2	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson?	1 2	Page 21 you, there was none; is that fair? A. I guess you'll have to define "relationship"
	Q. Were you first retained back in April of 2017by Ms. O'Dell and by Ms. Thompson?A. Yes, I believe so.		you, there was none; is that fair?
2	Q. Were you first retained back in April of 2017by Ms. O'Dell and by Ms. Thompson?A. Yes, I believe so.Q. Had you known Ms. O'Dell or any attorneys	2	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy.
2	 Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to 	2 3	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me.
2 3 4	Q. Were you first retained back in April of 2017by Ms. O'Dell and by Ms. Thompson?A. Yes, I believe so.Q. Had you known Ms. O'Dell or any attorneys	2 3 4	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy.
2 3 4 5	 Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to 	2 3 4 5	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke?
2 3 4 5 6	 Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? 	2 3 4 5 6	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at
2 3 4 5 6 7	 Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? 	2 3 4 5 6 7	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke?
2 3 4 5 6 7 8	 Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. 	2 3 4 5 6 7 8	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes.
2 3 4 5 6 7 8	 Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? 	2 3 4 5 6 7 8	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is
2 3 4 5 6 7 8 9	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke	2 3 4 5 6 7 8 9	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir.
2 3 4 5 6 7 8 9 10	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of	2 3 4 5 6 7 8 9 10	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir.
2 3 4 5 6 7 8 9 10 11	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still	2 3 4 5 6 7 8 9 10 11	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with	2 3 4 5 6 7 8 9 10 11 12 13 14	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right? A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but Q. These were alumni meetings at Duke	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her? A. No, sir.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Were you first retained back in April of 2017 by Ms. O'Dell and by Ms. Thompson? A. Yes, I believe so. Q. Had you known Ms. O'Dell or any attorneys from her office, the Beasley Allen office, prior to being contacted in this litigation? A. I had not known Ms. O'Dell. I knew Dr. Thompson. Q. How did you know Dr. Thompson? A. Dr. Thompson and I were residents at Duke University Medical Center. I was a few years ahead of her, but we were in the residency training program. And then I began my fellowship and gynecologic oncology at Duke, and I believe Dr. Thompson was still a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but Q. These were alumni meetings at Duke University; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	you, there was none; is that fair? A. I guess you'll have to define "relationship" for me. Q. Well, I was trying to make it easy. Did you socialize with other persons in the internship and residency programs while you were at Duke? A. Yes. And faculty and spouses, yes. Q. And Dr. Thompson was one of those persons; is that right? A. Yes, sir. Q. Do you know Dr. Thompson's husband or former husband? A. I did not. Q. All right. Your contact was solely with Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her? A. No, sir. Q. Were you asked to review any medicolegal

6 (Pages 18 to 21)

Page 24 Page 22 1 A. Did I misunderstand? 1 GYN oncology community has been one of could talcum 2 Q. Well, and at least what I had hoped was the 2 powder be associated with the occurrence of ovarian 3 3 distinction is that I had asked you if you had cancer? 4 reviewed any matters, and then the second question was 4 And, in fact, I think, in the early '70s, we 5 5 whether or not Dr. Thompson had requested that you believed it did; and then I was told as a trainee that 6 6 review any medicolegal matters for her. talcum powder previously had had asbestos in it, and 7 A. Okay. So it's a two-part question. I did 7 then we were told it was taken out. So that was very 8 8 not review any matters, and Dr. Thompson hadn't 9 9 requested me to review any medicolegal matters. Yet periodically over the years, papers came 10 10 Q. When -- well, strike that. out -- case-control studies, cohort studies -- off and 11 11 What did Dr. Thompson ask you to do with on that continued to raise the question. 12 12 respect to the MDL talcum powder litigation? So the question has been in my mind. And, 13 A. At the time of the conference call with 13 really, it wasn't until I really started thinking 14 14 Ms. O'Dell and Dr. Thompson, I was asked to evaluate about this and gathered up all the literature that it 15 15 and offer my opinion regarding talcum powder and became clear to me, and I formed my opinion. 16 16 whether it was causative to the occurrence of ovarian Q. That was my question. When did you form your 17 17 cancer in women who use talcum powder on their opinion that talcum powder is causally related to 18 perineum. 18 ovarian cancer when used by women in the genital area? 19 19 Q. Were you asked to research or answer any A. Well, some -- I'm not sure there was a 20 other question other than that? 20 particular day when the light bulb went off. I think 21 A. So in my report, I think I make it clearer 21 in the process of digging into this issue in more 22 than what I just described. So "Can the use of talcum 22 detail and putting together all the case-control 23 powder in the perineal area cause epithelial ovarian 23 trials that had come out over a period of time and the 24 cancer?" and also, "If so, what biologic mechanism did 24 meta-analysis that had come out over a period of time 25 25 this -- by which did this occur?" were the two key that kept raising questions, when I started to put Page 23 Page 25 1 questions I was asked to form an opinion on. 1 that all together, it became clear to me that, in my 2 2 Q. You mentioned that you did speak with opinion, talcum powder causes ovarian cancer. 3 Dr. Thompson prior to the conversation with Ms. O'Dell 3 Q. That was sometime after you were contacted 4 4 and Dr. Thompson. and retained in this matter back in April of 2017 as 5 5 What, at that time, did Dr. Thompson tell an expert for the plaintiffs; correct? 6 6 you about the litigation? A. It was the request to provide opinions and to 7 7 develop an opinion, and I -- yes. A. I don't recall details. It was that she was 8 8 working on cases that had to do with talcum powder and Q. All right. Do you agree that the medical 9 9 ovarian cancer. community as a whole has not reached a consensus that 10 10 Q. Do you recall any other background that you talcum powder causes ovarian cancer? 11 were provided? 11 MS. O'DELL: Object to the form. 12 12 A. Not at that time. Excuse me. Q. Did you understand that Dr. Thompson was 13 THE WITNESS: I think we're at a 13 14 representing the plaintiffs in this matter, along with 14 tipping point in that question. 15 a number of other attorneys? 15 BY MR. ZELLERS: 16 A. Yes. 16 Q. Can you answer that question? 17 17 Q. Prior to being contacted by Dr. Thompson and A. Well, I think you would have to define "the 18 18 medical community" for me. by Ms. O'Dell, had you formed opinions in terms of 19 19 whether or not talcum powder was causally related to Q. Well, let's be more specific. 2.0 ovarian cancer for women who used it in the perineal 20 Has the gynecologic oncologist medical 21 21 region? community reached a consensus that talcum powder 22 22 A. So that's an interesting question, because it causes ovarian cancer? 23 23 goes back to my training. And throughout the years, A. As best I know, not at this time. 24 since 1975, when I began my residency training, the 24 Q. All right. You also -- Ms. O'Dell provided

7 (Pages 22 to 25)

me with an updated list of your testimony; is that

25

25

conversation in the gynecologic community and the

Page 28 Page 26 1 right? 1 BY MR. ZELLERS: 2 MR. ZELLERS: We'll mark that as 2 Q. The medical malpractice cases that you have 3 3 listed -- Edmonson, Pizzirusso, and Paduda -- were you Exhibit 3. 4 (Exhibit No. 3 was marked for identification.) 4 serving as an expert for plaintiff or defense in those 5 5 THE WITNESS: Yes, sir. 6 6 BY MR. ZELLERS: A. In all three of those cases, for the defense. 7 Q. The testimony that you provided back in 7 Q. Over the years, you have done a lot of 8 November of 2017 -- strike that -- November of 2018, 8 testifying in medical malpractice cases. Is that 9 9 when you submitted your report, Exhibit C -- we'll fair? 10 10 MS. O'DELL: Object to the form. mark that as Deposition Exhibit 4 --11 11 THE WITNESS: I don't know how you (Exhibit No. 4 was marked for identification.) 12 Q. -- contained just one listing of testimony; 12 define "a lot." 13 is that right? 13 BY MR. ZELLERS: 14 A. Yes. 14 Q. Have you given -- at least up until 2005 or 15 Q. What has changed since you prepared your 15 so, did you give about three depositions a year in 16 report in November of 2018 and today with respect to 16 medical malpractice cases? 17 deposition and trial testimony that you have provided? 17 A. Probably three or more. Three to six, maybe. A. I believe simply an oversight on my part. Q. Since 2005, you've cut back some in terms of 18 18 19 19 Q. The oversight was not listing at least two of your medicolegal work; is that right? 20 the matters that you had testified in in the past five 20 A. Yes. 21 years as of November of 2018; is that right? 21 Q. Is it accurate to say that, over the years, 22 A. Yes, sir. 22 you've testified about 50 percent for plaintiff and 23 Q. The Edmonson matter that you testified in 23 about 50 percent for defendants in litigation matters? 24 December of 2014, was that a medical malpractice 24 A. Yes. 25 25 Q. Is the only product liability matter that you action? Page 27 Page 29 1 A. Yes, it was a malpractice action. 1 have testified in, other than the MDL talcum powder 2 2 Q. And September 1st of 2015, the Rappaport litigation, the morcellator deposition that you gave 3 matter, that was a physician who was losing his or her 3 earlier in -- this year, in January? 4 4 A. Yes, sir. 5 A. He was being fired from his practice. 5 Q. Ms. O'Dell advised us at the start of the 6 Q. The Pizzirusso case or matter that you 6 deposition that, in addition to the materials that you 7 7 provided testimony in March of 2015, what was that? cite in your report and in your additional materials 8 A. That was a medical malpractice case in 8 list, that you have now reviewed a number of 9 Brooklyn, New York. 9 additional materials prior to today; is that right? 10 Q. January of 2019, Paduda, what type of matter 10 A. Yes. 11 11 O. Do those additional materials that you have 12 A. This was -- I need to make sure I've got the 12 reviewed change in any respect the opinions that you 13 two straight here. Yes, it's a medical malpractice 13 have set forth in your report? 14 14 A. They reinforce and enhance or support my 15 Q. And then, finally, you were deposed on 15 opinion. 16 January 22nd of 2009 in a matter called Cutsinger. 16 Q. As we go through today, I may refer to talc, 17 What type of matter was that? 17 I may refer to talcum powder, I may refer to talc 18 A. It was 2019. 18 products or to baby powder or to Shower to Shower. 19 MS. O'DELL: '19. 19 I intend, when I use those terms, to be referring to 20 MR. ZELLERS: Thank you, Counsel. 20 the baby powder product manufactured by Johnson & 21 21 BY MR. ZELLERS: Johnson Consumer Products Inc. and the Shower to 22 Q. January 22nd of 2019. 22 Shower product formerly manufactured by Johnson & 23 A. This is a product liability suit. 23 Johnson Consumer Products Inc. 24 Q. Involving what product? 24 Do you understand that? 25 25 A. A morcellator manufactured by Gyrus. A. I understand.

	Page 30		Page 32
1	Q. Your report which was provided to us, we will	1	report?
2	mark as Deposition Exhibit 5.	2	A. Yes.
3	(Exhibit No. 5 was marked for identification.)	3	Q. You've reviewed a chapter of a book by
4	BY MR. ZELLERS:	4	Creasman that was authored by Dr. Brewster; is that
5	Q. Can you just take a quick look at that and	5	right?
6	confirm for us that that is Deposition Exhibit 5?	6	A. That's correct.
7	A. It is.	7	Q. Is there anything else that you have reviewed
8	Q. Your report, which we have marked as	8	and are relying on in preparation for your deposition
9	Deposition Exhibit 5, does that contain all of the	9	today and in providing us with your opinions?
10	opinions that you intend to offer at any trial or	10	A. So all these references here (indicating),
11	hearing in this matter?	11	I've reviewed. I believe they're listed as part of an
12	A. I believe so, yes.	12	exhibit.
13	Q. Does your report identify everything that you	13	Q. And let's, you know, be as systematic as we
14	are relying on in forming your opinions in this	14	can be.
15	matter?	15	Your report, Exhibit 5, has a list of
16	MS. O'DELL: Object to the form.	16	references; is that right?
17	THE WITNESS: Obviously, we just talked	17	A. Yes.
18	about some additional information materials that	18	Q. What do you intend or what is the meaning
19	I've reviewed since writing that report, so they would	19	of the references that appear as pages 11 through 14
20	be included in my opinion.	20	in your report?
21	BY MR. ZELLERS:	21	A. Those references support what I quote not
22	Q. We'll go through in a moment the additional	22	quotes, but facts that are in my report. They don't
23	materials that you have reviewed.	23	include everything that I used in my consideration of
24	If we look at your report and if we look at	24	coming to my opinion.
25	the additional materials that you have reviewed in	25	Q. Deposition Exhibit 6 is Exhibit B to your
	Page 31		Page 33
1	managed on for the demosition, does that include all		
_	preparation for the deposition, does that include all	1	report.
2	preparation for the deposition, does that include all of the materials that you are relying on in forming	1 2	report. (Exhibit No. 6 was marked for identification.)
3			•
	of the materials that you are relying on in forming	2	(Exhibit No. 6 was marked for identification.)
3	of the materials that you are relying on in forming your opinion?	2 3	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS:
3 4	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have	2 3 4	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct?
3 4 5	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials,	2 3 4 5	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of
3 4 5 6	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on?	2 3 4 5 6	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered?
3 4 5 6 7	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes.	2 3 4 5 6 7	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is.
3 4 5 6 7 8	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate?	2 3 4 5 6 7 8	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of
3 4 5 6 7 8 9	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes.	2 3 4 5 6 7 8	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report?
3 4 5 6 7 8 9	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete?	2 3 4 5 6 7 8 9 10 11	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract.
3 4 5 6 7 8 9 10	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is.	2 3 4 5 6 7 8 9 10 11 12	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the
3 4 5 6 7 8 9 10 11 12 13	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can,	2 3 4 5 6 7 8 9 10 11 12 13	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report,
3 4 5 6 7 8 9 10 11 12 13 14 15	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since	2 3 4 5 6 7 8 9 10 11 12 13 14	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28?
3 4 5 6 7 8 9 10 11 12 13 14 15	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the Health Canada risk assessment; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you considered but are not directly relying on in
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the Health Canada risk assessment; is that right? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you considered but are not directly relying on in formulating your opinions; is that fair?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the Health Canada risk assessment; is that right? A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, 2018	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you considered but are not directly relying on in formulating your opinions; is that fair? MS. O'DELL: Object to the form.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the Health Canada risk assessment; is that right? A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, 2018 publication; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you considered but are not directly relying on in formulating your opinions; is that fair? MS. O'DELL: Object to the form. THE WITNESS: That's fair.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the Health Canada risk assessment; is that right? A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, 2018 publication; is that right? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you considered but are not directly relying on in formulating your opinions; is that fair? MS. O'DELL: Object to the form. THE WITNESS: That's fair. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the Health Canada risk assessment; is that right? A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, 2018 publication; is that right? A. Yes. Q. You have reviewed the 2019 Saed paper?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you considered but are not directly relying on in formulating your opinions; is that fair? MS. O'DELL: Object to the form. THE WITNESS: That's fair. BY MR. ZELLERS: Q. In addition to the references that are
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	of the materials that you are relying on in forming your opinion? A. To be clear, you're saying what I have included in my report plus my additional materials, that's what I relied on? Q. Yes. Is that correct? A. Yes. Q. Is your report accurate? A. Yes. Q. Is your report complete? A. I believe it is. Q. Let's try to quickly go through, if we can, the additional materials that you have reviewed since you prepared your report, Exhibit 5. Ms. O'Dell stated that you have reviewed the Health Canada risk assessment; is that right? A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, 2018 publication; is that right? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	(Exhibit No. 6 was marked for identification.) BY MR. ZELLERS: Q. Is that correct? Is Deposition Exhibit B a listing of additional materials considered? A. Yes, it is. Q. Did you actually read and consider all of the materials that are cited as Exhibit B to your report? A. I would say I did not read every word of every paper. I reviewed them, many times reading the abstract. Q. Did you read at least the abstract of each of the references contained as Exhibit B to your report, going from page 1 through page 28? A. I believe so. Q. Exhibit B is meant to be materials that you considered but are not directly relying on in formulating your opinions; is that fair? MS. O'DELL: Object to the form. THE WITNESS: That's fair. BY MR. ZELLERS:

	Page 34		Page 36
1	deposition, are there any other materials that you	1	you relied upon?
2	have reviewed and relied upon in formulating the	2	A. Yes, sir.
3	opinions you're going to give today other than the	3	Q. We'll mark the Brewster chapter as Exhibit 7.
4	additional materials that we discussed a moment ago?	4	(Exhibit No. 7 was marked for identification.)
5	A. No.	5	MR. ZELLERS: We will mark the UpToDate
6	Q. Are there any additional materials that you	6	reprint as Exhibit 8.
7	have reviewed and relied upon since the time of your	7	(Exhibit No. 8 was marked for identification.)
8	report other than the materials that have been	8	MR. ZELLERS: We will mark the Emerging
9	identified by Ms. O'Dell?	9	Themes in Epidemiology, 2015, Fedak, as Exhibit 9.
10	A. No.	10	(Exhibit No. 9 was marked for identification.)
11	Q. Did you bring those additional materials with	11	BY MR. ZELLERS:
12	you in the folders that you have in front of you?	12	Q. I'll return these to you, Doctor.
13	A. Some of them. I have the Longo updated	13	Can you show me or provide to me whatever
14	report, for example.	14	folders you have brought. I don't need the binders,
15	Q. All right. I'd like to just mark, so that we	15	but just whatever additional materials you have
16	have a record of what it is you have reviewed, to the	16	brought with you.
17	extent there's any ambiguity in the record. And, for	17	(Document was handed to counsel.)
18	example, I'm looking at	18	BY MR. ZELLERS:
19	MS. O'DELL: Mike, excuse me. Can	19	Q. And then it looks like you have IARC
20	I just mention one thing?	20	monographs; is that right?
21	MR. ZELLERS: Yes.	21	A. Yes.
22	MS. O'DELL: Because when you were	22	Q. Are those IARC monographs that you have
23	going through your list, I had mentioned before an	23	brought with you, is that something that's either on
24	UpToDate reference. It's in the stack I think you	24	your reference list or your reliance list?
25	have in your hand. But you didn't mention that in	25	A. I believe it is.
	Page 35		Page 37
1			
_	your sort of questions to Dr. Clarke-Pearson. So	1	Q. Can you just tell us the title of the IARC
2	your sort of questions to Dr. Clarke-Pearson. So I don't want there to be a misrepresentation	1 2	Q. Can you just tell us the title of the IARC monograph that you have brought with you?
2	I don't want there to be a misrepresentation	2	monograph that you have brought with you?
2	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a	2 3	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of
2 3 4	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean	2 3 4	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black,
2 3 4 5	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand.	2 3 4 5	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010.
2 3 4 5 6	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record.	2 3 4 5 6	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these
2 3 4 5 6 7 8 9	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS:	2 3 4 5 6 7	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the
2 3 4 5 6 7 8	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the	2 3 4 5 6 7 8	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you.
2 3 4 5 6 7 8 9 10	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in	2 3 4 5 6 7 8	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.)
2 3 4 5 6 7 8 9 10 11	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate	2 3 4 5 6 7 8 9	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top	2 3 4 5 6 7 8 9 10	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of
2 3 4 5 6 7 8 9 10 11 12 13 14	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several	2 3 4 5 6 7 8 9 10 11	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line
2 3 4 5 6 7 8 9 10 11 12 13 14	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is	2 3 4 5 6 7 8 9 10 11 12 13	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct?	2 3 4 5 6 7 8 9 10 11 12 13 14	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232."
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes. Q. That's an additional set of materials that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to? A. I put these together, if I can explain, so
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes. Q. That's an additional set of materials that you have reviewed and relied upon?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to? A. I put these together, if I can explain, so that we might facilitate this discussion and be able
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes. Q. That's an additional set of materials that you have reviewed and relied upon? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to? A. I put these together, if I can explain, so that we might facilitate this discussion and be able to find documents a little bit more quickly.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes. Q. That's an additional set of materials that you have reviewed and relied upon? A. Yes. Q. Also in the stack, and something that I did	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to? A. I put these together, if I can explain, so that we might facilitate this discussion and be able to find documents a little bit more quickly. Q. What discussion does Exhibit 10 relate to?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes. Q. That's an additional set of materials that you have reviewed and relied upon? A. Yes. Q. Also in the stack, and something that I did not mention earlier, is "Emerging Themes in	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to? A. I put these together, if I can explain, so that we might facilitate this discussion and be able to find documents a little bit more quickly. Q. What discussion does Exhibit 10 relate to? A. Could I see the front of the folder, please?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes. Q. That's an additional set of materials that you have reviewed and relied upon? A. Yes. Q. Also in the stack, and something that I did not mention earlier, is "Emerging Themes in Epidemiology, Analytical Perspective." First author	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to? A. I put these together, if I can explain, so that we might facilitate this discussion and be able to find documents a little bit more quickly. Q. What discussion does Exhibit 10 relate to? A. Could I see the front of the folder, please? Q. Sure.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	I don't want there to be a misrepresentation MR. ZELLERS: Understood. MS. O'DELL: on the I didn't mean it that way. I didn't want there to be a misunderstanding on the record. MR. ZELLERS: I do understand. I appreciate the clarification. BY MR. ZELLERS: Q. What I had been given was a clip with the Brewster chapter from the Creasman textbook. But in addition to what was on top, there is an UpToDate official reprint that states at the top "Evidence-based medicine," and then it lists several authors, the first of which is Arthur T. Evans; is that correct? A. Yes. Q. That's an additional set of materials that you have reviewed and relied upon? A. Yes. Q. Also in the stack, and something that I did not mention earlier, is "Emerging Themes in	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	monograph that you have brought with you? A. "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93, Carbon Black, Titanium Dioxide, and Talc," dated 2010. Q. The next set of materials, I'll mark these collectively as Exhibit 10 so we can keep them in the same order that you have brought them with you. (Exhibit No. 10 was marked for identification.) BY MR. ZELLERS: Q. Exhibit 10, the first page is a listing of handwritten notes. Can you read just the first line to us. A. "Exposure IARC 100C page 232." Q. What does that refer to? A. I put these together, if I can explain, so that we might facilitate this discussion and be able to find documents a little bit more quickly. Q. What discussion does Exhibit 10 relate to? A. Could I see the front of the folder, please? Q. Sure. A. It has to do with asbestos and ovarian

	Page 38		Page 40
1	handwritten notes, I'll put it on the outside of the	1	MS. O'DELL: Object to the form.
2	folder, which are your references on asbestos and	2	THE WITNESS: Many of them were
3	ovarian cancer; is that right?	3	reprints that I created, and some were given to me by
4	MS. O'DELL: Object to the form.	4	counsel.
5	THE WITNESS: They are some of my	5	BY MR. ZELLERS:
6	references.	6	Q. Are you able if we went through your list
7	BY MR. ZELLERS:	7	of references that are attached to your report,
8	Q. These are the references, though, that you	8	Exhibit 5, are you able to tell me easily which ones
9	chose to bring with you today to be prepared to answer	9	came from counsel and which ones you may have found on
10	questions that the lawyers may ask?	10	your own?
11	MS. O'DELL: Object to the form. He	11	A. No, not easily.
12	brought other references as well.	12	Q. All right. Same question with respect to
13	THE WITNESS: All of these references	13	Exhibit B, this 28 pages of additional materials. Are
14	here are also could support the question in that	14	you able to separate out for us easily what materials
15	folder about asbestos and ovarian cancer.	15	came from counsel and what materials you found on your
16	BY MR. ZELLERS:	16	own?
17	Q. Who prepared the folder "Asbestos on Ovarian	17	MS. O'DELL: Object to the form.
18	Cancer"?	18	THE WITNESS: No, I can't.
19	A. I did.	19	BY MR. ZELLERS:
20	Q. Whose notes are the first page of this	20	Q. The materials that are included in Deposition
21	folder?	21	Exhibit 10, the articles that you list on your sheet
22	A. That's mine.	22	of paper and have brought with you, there is a it
23	Q. Who chose to include and to write down the	23	looks like an excerpt from the IARC working group
24	references that you did on this piece of paper?	24	relating to asbestos and different types of asbestos;
25	A. I did.	25	is that right?
	Page 39		Page 41
1	Q. The other exhibits that you have today, the	1	A. Yes.
2	exhibits that we marked, was it Exhibit 9, is that	2	Q. You're not an expert in asbestos; correct?
3	41 D		
	the Brewster chapter?	3	MS. O'DELL: Object to the form.
4	A. Exhibit 7 is the Brewster chapter.	4	THE WITNESS: It seems like I've become
4 5	A. Exhibit 7 is the Brewster chapter.Q. Okay, Exhibit 7. Who provided those	4 5	THE WITNESS: It seems like I've become pretty good at it after reading all of this material.
4 5 6	A. Exhibit 7 is the Brewster chapter.Q. Okay, Exhibit 7. Who provided those materials to you?	4 5 6	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS:
4 5 6 7	A. Exhibit 7 is the Brewster chapter.Q. Okay, Exhibit 7. Who provided those materials to you?A. This is from a textbook in my office.	4 5 6 7	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold
4 5 6 7 8	 A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that 	4 5 6 7 8	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in
4 5 6 7 8 9	 A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? 	4 5 6 7 8 9	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right?
4 5 6 7 8 9	 A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter 	4 5 6 7 8 9	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an
4 5 6 7 8 9 10	 A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. 	4 5 6 7 8 9 10	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues
4 5 6 7 8 9 10 11	 A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular 	4 5 6 7 8 9 10 11	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer.
4 5 6 7 8 9 10 11 12 13	 A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, 	4 5 6 7 8 9 10 11 12 13	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in
4 5 6 7 8 9 10 11 12 13	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did.	4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos?
4 5 6 7 8 9 10 11 12 13 14	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was	4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please.
4 5 6 7 8 9 10 11 12 13 14 15	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct?	4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different
4 5 6 7 8 9 10 11 12 13 14 15 16	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay.	4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite,
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right?	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes.	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes. Q. Are many of the materials that you've looked	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it? MS. O'DELL: Object to the form.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes. Q. Are many of the materials that you've looked at, including those on your reference list, your	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes. Q. Are many of the materials that you've looked	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it? MS. O'DELL: Object to the form.

	Page 42		Page 44
1	BY MR. ZELLERS:	1	or alleged health effects of those different types of
2	Q. You're testifying as an expert gynecologist	2	asbestos?
3	oncologist in this case; is that right?	3	A. Yes.
4	A. Yes.	4	Q. Did you consider yourself to be an expert in
5	Q. You consider yourself to be an expert in that	5	asbestos prior to being retained in this litigation in
6	field; is that right?	6	2017?
7	A. Of course.	7	MS. O'DELL: Objection. Asked and
8	Q. Do you consider yourself to be an expert, to	8	answered.
9	provide expert testimony to the jury, on asbestos and	9	THE WITNESS: I don't know when
10	the different forms of asbestos?	10	I morphed into feeling I knew more about asbestos than
11	A. I think I can testify to the jury what is in	11	I did in 1975.
12	the literature and the impact that asbestos has on	12	BY MR. ZELLERS:
13	ovarian cancer risk.	13	Q. Your the strike that.
14	Q. Prior to being retained by Dr. Thompson and	14	What gives you expertise, in your view, as
15	Ms. O'Dell, did you have professional experience with	15	an expert in asbestos is the reading that you have
16	asbestos?	16	done since being retained in this matter; is that
17	A. I'm not sure what you mean by "professional	17	right?
18	experience." I don't use it in my practice.	18	MS. O'DELL: Objection to the form.
19	Q. Did you research it?	19	Misstates his testimony.
20	A. As I said, back in 1975, when I was a	20	THE WITNESS: The knowledge that I've
21	resident, there was discussion about asbestos in	21	gained over time, including during this preparation
22	talcum powder.	22	for this deposition and my report.
23	Q. Did you consider yourself to be an expert in	23	BY MR. ZELLERS:
24	asbestos before you were retained by Dr. Thompson and	24	Q. When you were contacted by Dr. Thompson, did
25	Ms. O'Dell?	25	you consider yourself to be an expert in asbestos at
	Page 43		Page 45
			3
1	MS. O'DELL: Object to the form.	1	that time?
1 2	MS. O'DELL: Object to the form. THE WITNESS: I was aware of issues	1 2	that time?
	THE WITNESS: I was aware of issues	1	that time? MS. O'DELL: Object to the form.
2	-	2	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what
2	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for	2 3	that time? MS. O'DELL: Object to the form.
2 3 4	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer.	2 3 4	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned
2 3 4 5	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS:	2 3 4 5	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then.
2 3 4 5 6	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be	2 3 4 5 6	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS:
2 3 4 5 6 7	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter?	2 3 4 5 6 7	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question?
2 3 4 5 6 7 8	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this	2 3 4 5 6 7 8	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in
2 3 4 5 6 7 8 9	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by
2 3 4 5 6 7 8 9	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health	2 3 4 5 6 7 8 9	that time? MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson?
2 3 4 5 6 7 8 9 10	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects.	2 3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone
2 3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the	2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers
2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS: Q. Are you familiar with at least what the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and its effects on the female genital tract and ovarian cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS: Q. Are you familiar with at least what the different types of claimed asbestos is in talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and its effects on the female genital tract and ovarian cancer. Q. So that's a yes, people have come to you for
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS: Q. Are you familiar with at least what the different types of claimed asbestos is in talcum powder?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and its effects on the female genital tract and ovarian cancer. Q. So that's a yes, people have come to you for some number of years as an expert on asbestos?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS: Q. Are you familiar with at least what the different types of claimed asbestos is in talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and its effects on the female genital tract and ovarian cancer. Q. So that's a yes, people have come to you for

	Page 46		Page 48
1	misstates his testimony.	1	Q. Did you prepare these notes?
2	MR. ZELLERS: Well, I'm trying to get	2	A. Yes.
3	an answer to my question.	3	Q. First paper you list here is or have
4	MS. O'DELL: I think he answered your	4	brought with you included in this folder and
5	question.	5	highlighted is Gates, which was published
6	THE WITNESS: Patients have come to me	6	November 12th of 2009; is that right?
7	as an expert in this topic as it relates to their	7	A. Yes.
8	health.	8	Q. You also have brought a paper, HHS Public
9	BY MR. ZELLERS:	9	Access, "Douching, Talc Use," Epidemiology, 2016.
10	Q. How about your peers? Do your peers come to	10	First author is Gonzalez; is that right?
11	you as an expert in asbestos at any time?	11	A. Yes, sir.
12	A. I have different groups of peers. My	12	Q. Then you have another collection of materials
13	gynecologic oncology colleagues, I don't think I'm any	13	with some additional handwritten notes, also in what
14	more of an expert than they are.	14	we have marked as Exhibit 11, your "EPI" folder. And
15	On the other hand, a general obstetrician	15	at the top of your handwritten notes, which appear on
16	and gynecologist, an internist, a family medicine	16	two Post-its, it's "Penninkilampi."
17	physician, a pediatrician would consider me an expert.	17	That is a study that you have written down
18	Q. And that so my question very simply is do	18	along with some other notes, and you have brought that
19	your peers come to you as an expert in asbestos?	19	with you in your folder; is that right?
20	MS. O'DELL: Object to the form. Asked	20	A. Yes.
21	and answered.	21	Q. You have brought the Berge paper, dated
22	THE WITNESS: I have lots of different	22	May 18, 2018, European Journal of Cancer Prevention.
23	levels of peers, is what I was trying to describe.	23	You have that in your folder; correct?
24	BY MR. ZELLERS:	24	A. Yes.
25	Q. The second article that you brought and	25	Q. You have the Langseth paper that was accepted
	Page 47		Page 49
1	placed in your "Asbestos Ovarian Cancer" folder is an	4	
2		1	for well, strike that that was published in
	article by Reid. States at the top, published online	2	for well, strike that that was published in Journal of Epidemiol. Community Health, 2008; is that
3	article by Reid. States at the top, published online first May 24, 2011, in Cancer Epidemiology,		
	• • •	2	Journal of Epidemiol. Community Health, 2008; is that
3	first May 24, 2011, in Cancer Epidemiology,	2	Journal of Epidemiol. Community Health, 2008; is that right?
3 4	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure	2 3 4	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes.
3 4 5	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with	2 3 4 5	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the
3 4 5 6 7 8	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was	2 3 4 5 6	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know.
3 4 5 6 7 8 9	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives,	2 3 4 5 6 7	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was
3 4 5 6 7 8 9	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right?	2 3 4 5 6 7 8	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know.
3 4 5 6 7 8 9 10	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes.	2 3 4 5 6 7 8	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was
3 4 5 6 7 8 9 10 11	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your	2 3 4 5 6 7 8 9	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs?
3 4 5 6 7 8 9 10 11 12 13	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos,	2 3 4 5 6 7 8 9 10	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes.
3 4 5 6 7 8 9 10 11 12 13	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this	2 3 4 5 6 7 8 9 10 11	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something
3 4 5 6 7 8 9 10 11 12 13 14 15	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967?	2 3 4 5 6 7 8 9 10 11 12 13	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs?
3 4 5 6 7 8 9 10 11 12 13 14 15	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir.	2 3 4 5 6 7 8 9 10 11 12 13 14	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on animals as Exhibit 12.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as Exhibit 11, a folder captioned "EPI." Is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as Exhibit 11, a folder captioned "EPI." Is that right? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on animals as Exhibit 12. (Exhibit No. 12 was marked for identification.) BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as Exhibit 11, a folder captioned "EPI." Is that right? A. Yes. (Exhibit No. 11 was marked for identification.)	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on animals as Exhibit 12. (Exhibit No. 12 was marked for identification.) BY MR. ZELLERS: Q. First paper we have is the Keskin article
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as Exhibit 11, a folder captioned "EPI." Is that right? A. Yes. (Exhibit No. 11 was marked for identification.) BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on animals as Exhibit 12. (Exhibit No. 12 was marked for identification.) BY MR. ZELLERS: Q. First paper we have is the Keskin article from Gynecologic Obstetrics, 2009. Keskin is spelled
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as Exhibit 11, a folder captioned "EPI." Is that right? A. Yes. (Exhibit No. 11 was marked for identification.) BY MR. ZELLERS: Q. The first page, are these your notes to help	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on animals as Exhibit 12. (Exhibit No. 12 was marked for identification.) BY MR. ZELLERS: Q. First paper we have is the Keskin article from Gynecologic Obstetrics, 2009. Keskin is spelled K-E-S-K-I-N. Is that right?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as Exhibit 11, a folder captioned "EPI." Is that right? A. Yes. (Exhibit No. 11 was marked for identification.) BY MR. ZELLERS: Q. The first page, are these your notes to help you in terms of answering my questions relating to the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on animals as Exhibit 12. (Exhibit No. 12 was marked for identification.) BY MR. ZELLERS: Q. First paper we have is the Keskin article from Gynecologic Obstetrics, 2009. Keskin is spelled K-E-S-K-I-N. Is that right? A. Yes, the spelling's correct.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	first May 24, 2011, in Cancer Epidemiology, "Biomarkers & Prevention"; is that right? A. Yes. Q. The third article is "Occupational Exposure to Asbestos and Ovarian Cancer." This is a paper with the first author of Camargo. It appears that it was published in Environmental Health Perspectives, September 2011; is that right? A. Yes. Q. The last paper that you included in your folder was an article on ovarian cancer and asbestos, first named author Graham. It was received is this 1967? A. Yes, sir. Q. You brought with you, which we will mark as Exhibit 11, a folder captioned "EPI." Is that right? A. Yes. (Exhibit No. 11 was marked for identification.) BY MR. ZELLERS: Q. The first page, are these your notes to help	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Journal of Epidemiol. Community Health, 2008; is that right? A. Yes. Q. And then finally, you have in your folder the Taher T-A-H-E-R paper, which appears to be is this a 2018 or 2019 paper, if you know? A. I don't know. Q. Was the Taher paper something that was provided to you by counsel for the plaintiffs? A. Yes. Q. Was the Health Canada assessment something that was provided to you by counsel for plaintiffs? A. Yes. Q. You've got a folder on animals with a couple of very brief notes. We've marked your folder on animals as Exhibit 12. (Exhibit No. 12 was marked for identification.) BY MR. ZELLERS: Q. First paper we have is the Keskin article from Gynecologic Obstetrics, 2009. Keskin is spelled K-E-S-K-I-N. Is that right?

13 (Pages 46 to 49)

	Page 50		Page 52
1	authors are Fox, Buckley, Henderson, and Griffiths.	1	articles that I identified in my literature search.
2	It was received for publication in 1983.	2	BY MR. ZELLERS:
3	Is that right?	3	Q. Did you find any articles on the latency
4	A. Yes.	4	period of ovarian cancer in women?
5	Q. Are these studies that you found, these	5	A. The latency at the time of exposure to
6	animal studies, or are these studies that were	6	asbestos or talcum powder?
7	provided to you by counsel for the plaintiffs?	7	Q. Yes.
8	MS. O'DELL: Object to the form.	8	A. I think it's clear that there has to be a
9	THE WITNESS: I think it's some of	9	latency period, and it's probably very parallel, in my
10	both.	10	opinion, to the latency period for mesothelioma and
11	BY MR. ZELLERS:	11	many other cancers that requires decades of exposure
12	Q. Well, there's only two that are here. So did	12	before one develops ovarian cancer.
13	you find and review the Keskin paper?	13	Q. Can you be any more precise than "decades of
14	A. I found it and reviewed it, yes.	14	exposure"?
15	Q. Not provided to you by counsel; is that	15	MS. O'DELL: Object to the form.
16	right?	16	THE WITNESS: No more precise than
17	A. Can I see them both?	17	these papers that talk about the latency for
18	Q. Sure. Of course.	18	mesothelioma
19	(Document was handed to the witness.)	19	BY MR. ZELLERS:
20	THE WITNESS: I think I printed this	20	Q. You believe
21	online, off of PubMed.	21	A which run the gamut from 22 to 32 years in
22	BY MR. ZELLERS:	22	one paper and 20 to 40 years in another paper.
23	Q. And my question is a little different.	23	Q. You believe that the latency period for
24	Are these articles that you were made aware	24	ovarian cancer is the same as the latency period for
25	of by plaintiffs' counsel, or are these articles that	25	mesothelioma; is that right?
	,		
	Page 51		Page 53
1	Page 51 you found in any research that you did after being	1	Page 53 MS. O'DELL: Object to the form.
1 2		1 2	
	you found in any research that you did after being	1	MS. O'DELL: Object to the form.
2 3 4	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did	2 3 4	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be
2 3 4 5	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search.	2 3 4 5	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// ///
2 3 4 5 6	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13.	2 3 4 5 6	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.)
2 3 4 5 6 7	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.)	2 3 4 5 6 7	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS:
2 3 4 5 6 7 8	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS:	2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is
2 3 4 5 6 7 8 9	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes,	2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the — is titled or captioned "Asbestos Fibers Talc
2 3 4 5 6 7 8 9	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The	2 3 4 5 6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc."
2 3 4 5 6 7 8 9 10	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of	2 3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared?
2 3 4 5 6 7 8 9 10 11	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also	2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir.
2 3 4 5 6 7 8 9 10 11 12	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by	2 3 4 5 6 7 8 9 10 11 12 13	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and
2 3 4 5 6 7 8 9 10 11 12 13	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to	2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the — is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the	2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the — is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the — is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated — well, we'll have to just let the record — it was uploaded in 2016 by the author. Are these materials that you found in your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the — is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the — is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles that were provided to you by counsel?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS: Q. You cite and have brought with you a report,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles that were provided to you by counsel? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS: Q. You cite and have brought with you a report, Longo, January 15th, 2019.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles that were provided to you by counsel? MS. O'DELL: Object to the form. THE WITNESS: May I see that again?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS: Q. You cite and have brought with you a report, Longo, January 15th, 2019. Is that the updated report that was referred
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles that were provided to you by counsel? MS. O'DELL: Object to the form. THE WITNESS: May I see that again? BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS: Q. You cite and have brought with you a report, Longo, January 15th, 2019. Is that the updated report that was referred to earlier?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles that were provided to you by counsel? MS. O'DELL: Object to the form. THE WITNESS: May I see that again? BY MR. ZELLERS: Q. Sure.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS: Q. You cite and have brought with you a report, Longo, January 15th, 2019. Is that the updated report that was referred to earlier? A. That's my understanding.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles that were provided to you by counsel? MS. O'DELL: Object to the form. THE WITNESS: May I see that again? BY MR. ZELLERS: Q. Sure. (Document was handed to the witness.)	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS: Q. You cite and have brought with you a report, Longo, January 15th, 2019. Is that the updated report that was referred to earlier? A. That's my understanding. Q. You've got, looks like, an exhibit from the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	you found in any research that you did after being retained in this matter? A. I understand your question. Yes, I researched and found these as I did my PubMed search. Q. All right. Latency, Exhibit 13. (Exhibit No. 13 was marked for identification.) BY MR. ZELLERS: Q. You've got a couple of handwritten notes, just a couple of articles in here. One is "The latency period of mesothelioma among a cohort of British asbestos workers (1978-2005)"; and also "Latency Period for Malignant Mesothelioma" by Dr. Lanphear, which is dated well, we'll have to just let the record it was uploaded in 2016 by the author. Are these materials that you found in your search and have put together, or are these articles that were provided to you by counsel? MS. O'DELL: Object to the form. THE WITNESS: May I see that again? BY MR. ZELLERS: Q. Sure.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Object to the form. THE WITNESS: I believe it should be very close. /// /// (Exhibit No. 14 was marked for identification.) BY MR. ZELLERS: Q. The last folder that you brought with you is the is titled or captioned "Asbestos Fibers Talc Longo, etc." Is this also a folder that you prepared? A. Yes, sir. Q. You've got a number of handwritten notes and calculations here; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure it's calculations. It's notes taken from the papers. BY MR. ZELLERS: Q. You cite and have brought with you a report, Longo, January 15th, 2019. Is that the updated report that was referred to earlier? A. That's my understanding.

	Page 54		Page 56
1	A. Yes.	1	that this was submitted in November 2018.
2	Q. You have an article by Blount, "Amphibole	2	Q. Are there any updates to your curriculum
3	Asbestos in Vermont Talc"; is that correct?	3	vitae that you believe in any way are relevant to the
4	A. Yes.	4	opinions you're giving here today?
5	Q. That's got an Imerys Bates number on it.	5	A. I understand. No, there's no nothing
6	Is that where you obtained that document?	6	relevant to add.
7	MS. O'DELL: Object to the form.	7	Q. I did not tell you at the beginning, but if
8	THE WITNESS: I obtained it from	8	at any time you need to take a break and get up and
9	counsel.	9	stretch, just tell me and we'll do that.
10	BY MR. ZELLERS	10	A. Okay.
11	Q. And then you also have the Pier deposition	11	MR. ZELLERS: Same goes for you as
12	exhibit in your folder; is that right?	12	well, Counsel.
13	A. Yes.	13	MS. O'DELL: Thank you.
14	Q. Have we now identified all of the materials	14	BY MR. ZELLERS:
15	that you have reviewed and relied upon in formulating	15	Q. Did anyone assist you with your review and
16	your opinions in this matter?	16	research and preparation of your report in this matter
17	A. Above and beyond these folders, the other	17	other than counsel?
18	folders that we have here are included in my reliance.	18	A. No, sir.
19	Q. Your reliance list and your reference list;	19	Q. You were able to do the research that you
20	is that right?	20	felt you needed to do to answer the questions that
21	A. Yes.	21	were posed to you by counsel for the plaintiffs within
22	Q. Exhibit A, just so we are complete here, is	22	the 20 hours that are identified in your invoice,
23	your CV, or curriculum vitae, as of the time that your	23	Exhibit 2, between April 17th of 2017 and
23 24	report was published; is that right?	24	November 4th of 2018?
2 4 25	(Exhibit No. 15 was marked for identification.)		
	(Exhibit 10: 15 was marked for identification.)	25	A. That's what I billed for. As I sort of
		25	
	Page 55		Page 57
1	Page 55 BY MR. ZELLERS:	1	Page 57 indicated earlier, I'm not very diligent on marking
1 2	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and	1 2	Page 57 indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So
1 2 3	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018?	1 2 3	Page 57 indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time
1 2 3 4	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one.	1 2 3 4	Page 57 indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent.
1 2 3 4 5	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your	1 2 3 4 5	Page 57 indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that
1 2 3 4 5 6	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that	1 2 3 4 5 6	Page 57 indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation
1 2 3 4 5 6 7	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right?	1 2 3 4 5 6 7	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that
1 2 3 4 5 6 7 8	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is	1 2 3 4 5 6 7	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right?
1 2 3 4 5 6 7 8	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the	1 2 3 4 5 6 7 8	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct.
1 2 3 4 5 6 7 8 9	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is	1 2 3 4 5 6 7 8 9	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a
1 2 3 4 5 6 7 8 9	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to	1 2 3 4 5 6 7 8 9 10	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report?
1 2 3 4 5 6 7 8 9 10 11	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as	1 2 3 4 5 6 7 8 9 10 11 12	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It
1 2 3 4 5 6 7 8 9 10 11 12	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5.	1 2 3 4 5 6 7 8 9 10 11 12 13	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd
1 2 3 4 5 6 7 8 9 10 11 11 12 13	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS:	1 2 3 4 5 6 7 8 9 10 11 12 13 14	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion.
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, who other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, who other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so. Q. Was it accurate and complete as of November	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, who other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time. Q. Anyone else?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so. Q. Was it accurate and complete as of November of 2018?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, who other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time. Q. Anyone else? A. No, sir.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so. Q. Was it accurate and complete as of November of 2018? A. I'm just checking to see what my most recent	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, who other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time. Q. Anyone else? A. No, sir. Q. Do the strike that.
1 2 3 4 5 6 7 8	Page 55 BY MR. ZELLERS: Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so. Q. Was it accurate and complete as of November of 2018?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time. Q. Anyone else? A. No, sir.

15 (Pages 54 to 57)

	Page 58		Page 60
1	Dr. Thompson and Ms. O'Dell up and through the	1	powder proceeding, aside from the talcum powder MDL?
2	production of your report in November of 2018?	2	A. No.
3	MS. O'DELL: Objection. Form.	3	Q. What percent of your professional time do you
4	THE WITNESS: I believe so.	4	spend working as a consultant?
5	BY MR. ZELLERS:	5	A. With regard to medicolegal expert witness
6	Q. Since then, what other time have you spent	6	work?
7	with the attorneys for plaintiffs relating to this	7	Q. Yes.
8	matter?	8	A. What percent? I'd say probably 5 percent in
9	A. I've had one meeting, I believe in early	9	this past year, less than that in the preceding
10	January, for an hour and a half or two	10	several years.
11	Q. Was that an in-person meeting or	11	Q. What percent of your income is from
12	A. Yes, it was in person.	12	consulting on litigation matters?
13	Q. Was that here in Chapel Hill?	13	A. None of my income.
14	A. Yes.	14	Q. You receive no income as an expert witness
15	Q. Was that with Ms. O'Dell and Dr. Thompson?	15	consultant on litigation?
16	A. Yes.	16	A. No.
17	Q. Anyone else?	17	Q. Where does the money that you're billing for
18	A. No.	18	your services as an expert witness in this case go?
19	Q. Any other meetings that you've had with	19	A. The rules that we have at University of North
20	counsel preparing for your deposition?	20	Carolina is that any revenue, if you will, from expert
21	A. This past Saturday and Sunday.	21	witness work is considered clinical revenue and is
22	Q. Did you meet with the three plaintiffs'	22	sent to the practice plan.
23	counsel who are here today?	23	Q. Does your income, at least in part – is it
24	A. Ms. O'Dell and Dr. Thompson on Saturday, and	24	determined by the income you bring into the
25	Ms. Brown joined us on Sunday.	25	university?
	Page 59		Page 61
1	Q. What amount of time did you spend, total, on	1	A. The compensation plan doesn't account for the
2	Saturday and Sunday with counsel preparing for the	2	income we bring in.
3	deposition?	3	Q. Your testimony is that doesn't matter what
4	A. I'd estimate probably four to five hours on	4	grants you may bring in, it doesn't matter what expert
5	Saturday and about five to six hours on Sunday.	5	witness consulting you may do or what income you may
6	 Q. Anything else you did to prepare for your 		
		6	generate, it has no effect on your compensation; is
7	deposition?	6 7	
8	A. I reviewed a lot of materials here to be		generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form.
8 9	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders.	7 8 9	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of
8 9 10	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your	7 8 9 10	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North
8 9 10 11	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition?	7 8 9 10 11	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation
8 9 10 11 12	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might	7 8 9 10 11 12	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median
8 9 10 11 12 13	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do.	7 8 9 10 11 12 13	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty.
8 9 10 11 12 13 14	 A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for 	7 8 9 10 11 12 13 14	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician,
8 9 10 11 12 13 14 15	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs?	7 8 9 10 11 12 13 14 15	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full
8 9 10 11 12 13 14 15	 A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. 	7 8 9 10 11 12 13 14 15	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a
8 9 10 11 12 13 14 15 16	 A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about 	7 8 9 10 11 12 13 14 15 16 17	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national
8 9 10 11 12 13 14 15 16 17	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this?	7 8 9 10 11 12 13 14 15 16 17	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards.
8 9 10 11 12 13 14 15 16 17 18	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir.	7 8 9 10 11 12 13 14 15 16 17 18	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS:
8 9 10 11 12 13 14 15 16 17 18 19 20	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent,	7 8 9 10 11 12 13 14 15 16 17 18 19 20	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional
8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department,
8 9 10 11 12 13 14 15 16 17 18 19 20	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are reflected on Exhibit 2, plus an additional 60 hours up	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department, including yourself, can earn?
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are reflected on Exhibit 2, plus an additional 60 hours up until today when we started your deposition?	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department, including yourself, can earn? A. Yes.
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are reflected on Exhibit 2, plus an additional 60 hours up	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department, including yourself, can earn?

16 (Pages 58 to 61)

	Page 62		Page 64
1	A. Clinical relative value units that are	1	A. Yes.
2	generated by a faculty member that exceed the	2	Q. Is that included in the disclosure that was
3	60th percentile are then attributed to that faculty	3	given to us today, Exhibit 3?
4	member. The percent of the number of faculty members'	4	A. I considered it as deposition and trial
5	RVUs that are generated as a whole are then divided	5	testimony.
6	out amongst the pot of money, if you will, that's	6	Q. So there were two testimonies, both of which
7	available for incentive distribution. And that amount	7	you gave on December 12th of 2014; is that right?
8	of money depends upon the department's overall	8	A. No. That was probably when we submitted our
9	financial status.	9	invoice. I got this information from my billing
10	Q. Do grants that are brought into the	10	department.
11	university by members of your department have any	11	Q. So Edmonson really should be two testimonies;
12	impact or part in this incentive distribution	12	is that right?
13	calculation?	13	A. Yes. Deposition
14	A. Yes.	14	Q. And the deposition
15	Q. Do or strike that.	15	A. A deposition and trial testimony.
16	Does any income from litigation consulting	16	Q. And the date you've given here relates to
17	have a part in this incentive distribution?	17	your invoice, not to when you provided the testimony?
18	A. No.	18	A. I believe so.
19	Q. Are you you are in charge of the	19	Q. And the same answer with respect to
20	department; is that right?	20	Rappaport. The date on Exhibit 3 doesn't relate to
21	A. I'm the chair of the department.	21	when you provided the testimony; is that right?
22	Q. Do you have to balance the books in terms of	22	A. That's right. And I had a deposition and
23	money in and money out?	23	trial.
24	A. Yes, sir.	24	Q. And, lastly, with respect to the Pizzirusso
25	Q. Does income that you generate from litigation	25	matter, the date doesn't relate to when you provided
	Page 63		Page 65
1	Page 63 consulting help you balance the books of the	1	Page 65 the testimony; correct?
1 2		1 2	the testimony; correct? A. That's correct.
	consulting help you balance the books of the department? A. Yes.		the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial
2 3 4	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of	2 3 4	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right?
2 3 4 5	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is	2 3 4 5	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes.
2 3 4 5 6	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete?	2 3 4 5 6	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case
2 3 4 5 6 7	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir.	2 3 4 5 6 7	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos?
2 3 4 5 6 7 8	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that	2 3 4 5 6 7 8	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No.
2 3 4 5 6 7 8	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition	2 3 4 5 6 7 8	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case
2 3 4 5 6 7 8 9	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial?	2 3 4 5 6 7 8 9	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products?
2 3 4 5 6 7 8 9 10	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them.	2 3 4 5 6 7 8 9 10	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir.
2 3 4 5 6 7 8 9 10 11	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial.	2 3 4 5 6 7 8 9 10 11	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of
2 3 4 5 6 7 8 9 10 11 12	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I	2 3 4 5 6 7 8 9 10 11 12	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the
2 3 4 5 6 7 8 9 10 11 12 13 14	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just	2 3 4 5 6 7 8 9 10 11 12 13	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation?
2 3 4 5 6 7 8 9 10 11 12	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions.	2 3 4 5 6 7 8 9 10 11 12 13 14	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo,
2 3 4 5 6 7 8 9 10 11 12 13 14 15	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just depositions. Q. Is it accurate you did not give deposition	2 3 4 5 6 7 8 9 10 11 12 13	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just depositions. Q. Is it accurate you did not give deposition	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies? A. I don't know exactly what you asked for. I — this is either depositions or testimony that I made in court.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly if I — may I ask counsel, since we've been working? BY MR. ZELLERS: Q. Well, no, because I really want it to be your
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies? A. I don't know exactly what you asked for. I — this is either depositions or testimony that I made in court. Q. Did you give a deposition in Edmonson in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly if I — may I ask counsel, since we've been working? BY MR. ZELLERS: Q. Well, no, because I really want it to be your testimony. If you don't understand — and I should
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	consulting help you balance the books of the department? A. Yes. Q. The Deposition Exhibit 3, your list of testimony that you've given in the past five years, is that now accurate and complete? A. Yes, sir. Q. Have all of the testimonies you've given that are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I — are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies? A. I don't know exactly what you asked for. I — this is either depositions or testimony that I made in court.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	the testimony; correct? A. That's correct. Q. And it was actually a deposition and trial testimony in those matters; is that right? A. Yes. Q. Have you ever been retained in a case involving asbestos? A. No. Q. Have you ever been retained in a case involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly if I — may I ask counsel, since we've been working? BY MR. ZELLERS: Q. Well, no, because I really want it to be your

	Page 66		Page 68
1	speculate to answer my question, tell me you can't	1	A. Sometime after I formed my opinion. I'm not
2	answer it because it would call for a guess or	2	sure. I'm in communication with Dr. Rice quite often.
3	speculation.	3	She's a friend of mine.
4	A. Okay. I can't answer that.	4	Q. Was it before or after you prepared your
5	Q. You don't recall, as you sit here, other than	5	report
6	Dr. Longo's updated report, reviewing any other expert	6	A. It was after my report.
7	reports in this litigation; correct?	7	Q. So sometime after November
8	MS. O'DELL: Object to the form.	8	A. 16th.
9	THE WITNESS: I reviewed Dr. Longo's	9	Q 16th of 2018; is that right?
10	original report and now the updated report.	10	A. Yes.
11	BY MR. ZELLERS:	11	Q. Any other communication you've had with
12	Q. Other than those reports, at least as you sit	12	anyone other than counsel for plaintiffs regarding
13	here, you don't have a memory of reviewing other	13	your opinion that talc is a cause of ovarian cancer?
14	expert reports in this matter; is that right?	14	A. No.
15	A. I don't recall.	15	Q. Have you reviewed any deposition or trial
16	Q. Do you recall reviewing any defense expert	16	testimony from any of the talcum powder cases?
17	or strike that.	17	A. Yes. I'm blanking on her name. The GYN
18	Do you recall reviewing any other expert	18	oncologist, Judy one of the experts on the
19	reports in any talcum powder litigation other than the	19	plaintiffs' side that
20	MDL?	20	Q. Judy Wolf?
21	A. No.	21	A. Yeah, Judy Wolf.
22	Q. Have you communicated about the litigation	22	Q. Do you know Dr. Wolf?
23	the MDL talcum powder litigation with anyone other	23	A. I've met her once.
24	than plaintiffs' counsel?	24	Q. Have you had any discussions with her about
25	A. I'm required to communicate that to the	25	the subject matter of your opinions in this case with
		1	
	Page 67		Page 69
1		1	Page 69 Dr. Wolf?
1 2	hospital counsel, and I have.	1 2	_
			Dr. Wolf?
2	hospital counsel, and I have. Q. Who is the hospital counsel?	2	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever.
2	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George.	2 3	Dr. Wolf? A. I've had no communication with Dr. Wolf
2 3 4	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or	2 3 4	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in
2 3 4 5	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know?	2 3 4 5	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes.
2 3 4 5 6	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North	2 3 4 5 6	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct?
2 3 4 5 6 7	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel.	2 3 4 5 6 7	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial
2 3 4 5 6 7 8	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause	2 3 4 5 6 7 8	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any
2 3 4 5 6 7 8 9	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the	2 3 4 5 6 7 8	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name
2 3 4 5 6 7 8 9 10 11	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your	2 3 4 5 6 7 8 9	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed?
2 3 4 5 6 7 8 9 10 11 12	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region	2 3 4 5 6 7 8 9 10	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a
2 3 4 5 6 7 8 9 10 11 12 13	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer.	2 3 4 5 6 7 8 9 10 11	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past	2 3 4 5 6 7 8 9 10 11 12 13	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that	2 3 4 5 6 7 8 9 10 11 12 13 14	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with? A. Past president.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with? A. Past president. Q. Who is that?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir. Q. Were the transcripts of Dr. Wolf and
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with? A. Past president. Q. Who is that? A. Her name is Laurel Rice, R-I-C-E.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir. Q. Were the transcripts of Dr. Wolf and Pinkerton, the toxicologist, provided to you by
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	hospital counsel, and I have. Q. Who is the hospital counsel? A. Her name is Glenn G-L-E-N-N George. Q. Does she work for the university directly or is she in private practice, if you know? A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with? A. Past president. Q. Who is that?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Dr. Wolf? A. I've had no communication with Dr. Wolf whatsoever. Q. You reviewed her deposition transcript in preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir. Q. Were the transcripts of Dr. Wolf and Pinkerton, the toxicologist, provided to you by counsel for the plaintiffs?

	Page 70		Page 72
1	to you?	1	THE WITNESS: I'm sorry. You're asking
2	A. No. I think everything was provided to me	2	me about peer-reviewed publications?
3	that I requested.	3	BY MR. ZELLERS:
4	Q. In your report and in one of your file	4	Q. Yes, and whether or not you have ever relied
5	folders, you have exhibits from the deposition of John	5	upon isolated exhibits provided to you by counsel from
6	Hopkins. And let me rephrase that. You have an	6	depositions that you have never read as support for
7	exhibit from a witness by the name of John Hopkins.	7	any of your peer-reviewed publications.
8	Are you aware of that?	8	A. In a peer-reviewed publication, one on
9	A. Yes.	9	occasion will cite a personal communication from a
10	Q. Who is Mr. Hopkins?	10	colleague or an expert.
11	A. I've been it's my understanding and	11	Q. Can you answer my question?
12	I may be wrong that he is a former employee of	12	A. "In a peer-reviewed publication, one on
13	Johnson & Johnson.	13	occasion will cite a personal communication" okay.
14	Q. Do you know what he did for Johnson &	14	So your question was all right.
15	Johnson?	15	So in my peer-reviewed publications, I would
16	A. I believe somehow he was involved with	16	say the answer is no.
17	testing of talcum powder to evaluate for products such	17	Q. What is the difference between the references
18	as fibrous talc and asbestos.	18	which are at the end of your report that we marked as
19	Q. Do you know anything else that Mr. Tom	19	Exhibit 5 and the list of additional materials which
20	Mr. Hopkins did for Johnson & Johnson?	20	we marked as Deposition Exhibit 6 and you included as
21	A. No.	21	Exhibit B to your report?
22	Q. Did you review or read his deposition?	22	A. Those are additional materials that
23	A. I did not.	23	I reviewed in formulating my opinion, but I felt that
24	Q. Do you know who Julie Pier is?	24	they didn't need to be included in my report.
25	A. Vaguely.	25	Q. Were the references that you listed in your
	Page 71		Page 73
1	Q. Who is Julie Pier?	1	report, Exhibit 5, the key primary materials that
2	A. My understanding is that she has also done	2	you're relying on?
3	testing on Johnson & Johnson products.	3	MS. O'DELL: Object to the form.
4	Q. Do you know where she works or by whom she is	4	THE WITNESS: I think that's fair to
5	employed?		
6		5	say, yes.
J	A. No.	5 6	BY MR. ZELLERS:
7	A. No.Q. Did you read her deposition transcript?		BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that
		6 7 8	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your
7	Q. Did you read her deposition transcript?	6 7 8 9	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11.
7	Q. Did you read her deposition transcript?A. No.	6 7 8 9 10	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page
7 8 9	Q. Did you read her deposition transcript?A. No.Q. Have you reviewed any other exhibits to the	6 7 8 9 10 11	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of
7 8 9 10	Q. Did you read her deposition transcript?A. No.Q. Have you reviewed any other exhibits to the deposition of John Hopkins?	6 7 8 9 10 11 12	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a
7 8 9 10 11	Q. Did you read her deposition transcript?A. No.Q. Have you reviewed any other exhibits to the deposition of John Hopkins?A. No, sir.	6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them.
7 8 9 10 11	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the 	6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that?
7 8 9 10 11 12	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? 	6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes.
7 8 9 10 11 12 13 14	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. 	6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming
7 8 9 10 11 12 13 14	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to 	6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions?
7 8 9 10 11 12 13 14 15	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? 	6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them.
7 8 9 10 11 12 13 14 15 16	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. 	6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those
7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: 	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are?
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed 	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. If you go to Exhibit 6 — could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed publications that are listed in Exhibit A, cited to 	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review them.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed publications that are listed in Exhibit A, cited to isolated exhibits from deposition testimony of 	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. If you go to Exhibit 6 could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review them. Q. Do you know how those documents were
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Did you read her deposition transcript? A. No. Q. Have you reviewed any other exhibits to the deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed publications that are listed in Exhibit A, cited to 	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. If you go to Exhibit 6 — could you find that in front of you. This, again, is Exhibit B to your report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review them.

Page 74		Page 76
Q. Turning to page 13, there's a series of	1	first time I've been shown internal documents in a
documents that begin with "J&J" followed by numbers.	2	litigation.
Do you see that?	3	BY MR. ZELLERS:
A. Yes.	4	Q. Do you have any knowledge as to what
Q. Did you rely on those documents in forming	5	percentage of the internal documents that have been
your opinions?	6	produced in this litigation were actually provided to
A. I reviewed them, and they probably served as	7	you and appear in your materials-considered list,
part of my overall opinion; but I'm not referencing	8	Exhibit 6 to this deposition?
	9	MS. O'DELL: Object to the form.
	10	THE WITNESS: I do not.
documents are?	11	BY MR. ZELLERS:
A. These were internal documents from J&J.	12	Q. Is it fair to say, Dr. Clarke-Pearson, that
	13	the only company documents that you reviewed either
	14	Imerys or Johnson & Johnson are the ones that were
	15	hand-selected by plaintiffs' lawyers and provided to
	16	you?
	17	A. Yes, that's fair to say.
	18	Q. Do you agree, based upon your experience and
	1	the studies that you've reviewed, that most women who
A. Yes.		used talcum powder in their perineal region begin that
		use before age 30?
		MS. O'DELL: Object to the form.
		THE WITNESS: I believe that's
		reasonable. I'm not aware of any data that
you did not include or list in your additional	25	specifically says that.
Page 75		Page 77
materials-considered list?	1	BY MR. ZELLERS:
A. No. I believe I've listed everything that we	2	Q. Well, the Cramer 2016 paper actually goes
saw.	3	through and lists out the age for the folks that were
Q. Based upon well, strike that.	4	included in that study first used genital powder. Is
	5	that generally familiar to you?
	6	A. I can pull the paper if we're going to need
	7	to discuss it more, but
		Q. Well, my question is and you can decide if
		you need to pull the paper. But do you agree that,
	1	based upon your review of the literature, your
		personal experience, that the vast majority of women
		who use talcum powder in their perineal region begin
•		that use before the age of 30?
- ·		If you need to take a look at the Cramer
		paper, go to page 336. This is Cramer 2016, Table 1.
for you to review?	16 17	A. So O. I think it's a simple question
MC O'DELL, Object to the forms		Q. I think it's a simple question
MS. O'DELL: Object to the form.		
THE WITNESS: No, I didn't ask for	18	A. Probably so.
THE WITNESS: No, I didn't ask for that.	18 19	A. Probably so. So can you restate the question? I've lost
THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS:	18 19 20	A. Probably so. So can you restate the question? I've lost it on the screen.
THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you,	18 19 20 21	A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure.
THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work,	18 19 20 21 22	A. Probably so.So can you restate the question? I've lost it on the screen.Q. Sure.Do you agree that most women who use talcum
THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you,	18 19 20 21	A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure.
_	Q. Turning to page 13, there's a series of documents that begin with "J&J" followed by numbers. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them, and they probably served as part of my overall opinion; but I'm not referencing them per se in my report. Q. Can you identify or tell us what those documents are? A. These were internal documents from J&J. I don't recall specifically what each one of these numbers represent. Q. Do you know how they were compiled? A. They were provided to me by counsel. Q. Plaintiffs' counsel provided you with these select company documents that you have identified in your additional materials list; is that right? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional Page 75 materials-considered list? A. No. I believe I've listed everything that we saw. Q. Based upon well, strike that. Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents or documents that were selected by plaintiffs' counsel	Q. Turning to page 13, there's a series of documents that begin with "J&J" followed by numbers. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them, and they probably served as part of my overall opinion; but I'm not referencing them per se in my report. Q. Can you identify or tell us what those documents are? A. These were internal documents from J&J. I don't recall specifically what each one of these numbers represent. Q. Do you know how they were compiled? A. They were provided to me by counsel. Q. Plaintiffs' counsel provided you with these select company documents that you have identified in your additional materials list; is that right? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional Page 75 materials-considered list? A. No. I believe I've listed everything that we saw. Q. Based upon — well, strike that. Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the documents that were selected by plaintiffs' counsel

20 (Pages 74 to 77)

	Page 78		Page 80
1	Q. Do you agree that, on average, women who use	1	cause, but the cause doesn't but the risk factor
2	talcum powder in their perineal region continue that	2	doesn't cause the cancer in every instance.
3	use for over 20 years?	3	Q. Talcum powder is a risk factor for ovarian
4	A. Yes.	4	cancer; is that right?
5	Q. It's your opinion that talcum powder causes	5	A. And it causes ovarian cancer.
6	ovarian cancer; is that right?	6	Q. Every factor that you identified for us
7	A. Yes, sir.	7	age, pelvic inflammatory disease, obesity those are
8	Q. What are the other causes of ovarian cancer?	8	all risk factors for ovarian cancer and, in your
9	A. We can talk about risk factors	9	opinion, causes of ovarian cancer; is that right?
10	Q. No, I don't want to talk about risk factors.	10	A. Yes.
11	You have identified talcum powder as a causative	11	Q. If a study shows a statistically significant
12	factor in ovarian cancer; is that right?	12	relationship between a risk factor and a disease, is
13	A. Right.	13	that enough for the factor to be classified as a
14	Q. That's different than being a risk factor for	14	cause?
15	ovarian cancer; is that right?	15	A. In my opinion, yes.
16	MS. O'DELL: Object to the form.	16	Q. Just takes one study; is that right?
17	THE WITNESS: I'm not sure that's true.	17	MS. O'DELL: Object to the form.
18	BY MR. ZELLERS:	18	THE WITNESS: No. Now we're talking
19	Q. Well, is it your opinion that ovarian cancer	19	about the totality of the evidence, and nearly all of
20	is caused by talcum powder or that talcum powder is a	20	those all those risk factors that I described to
21	risk factor for ovarian cancer?	21	you that are causative for ovarian cancer, including
22	A. Ovarian cancer is caused by talcum powder.	22	talcum powder, there's more than just one study.
23	Q. What other causes of ovarian cancer are	23	BY MR. ZELLERS:
24	there, in your opinion?	24	Q. Let me ask my question again because I may
25	A. Fair enough.	25	not have been clear.
	Page 79		Page 81
1	Age, lack of exposure to birth control	1	If a study shows a statistically significant
2	pills, lack of being pregnant so nulliparity		
		2	relationship between a risk factor and a disease, is
3		2 3	
3 4	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing		relationship between a risk factor and a disease, is that enough for the factor to be classified as a cause?
	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing	3	that enough for the factor to be classified as a
4	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for	3 4	that enough for the factor to be classified as a cause? A. I see what you're saying.
4 5	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome.	3 4 5	that enough for the factor to be classified as a cause?
4 5 6	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for	3 4 5 6	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my
4 5 6 7	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list.	3 4 5 6 7	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice
4 5 6 7 8	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top	3 4 5 6 7 8	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion.
4 5 6 7 8	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is	3 4 5 6 7 8	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the
4 5 6 7 8 9	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in	3 4 5 6 7 8 9	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the
4 5 6 7 8 9 10 11	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right?	3 4 5 6 7 8 9 10	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer?
4 5 6 7 8 9 10 11	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes.	3 4 5 6 7 8 9 10 11 12	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form.
4 5 6 7 8 9 10 11 12	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor	3 4 5 6 7 8 9 10 11 12 13	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done
4 5 6 7 8 9 10 11 12 13 14	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause?	3 4 5 6 7 8 9 10 11 12 13	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now.
4 5 6 7 8 9 10 11 12 13 14	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor	3 4 5 6 7 8 9 10 11 12 13 14 15	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS:
4 5 6 7 8 9 10 11 12 13 14 15	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor.	3 4 5 6 7 8 9 10 11 12 13 14 15 16	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that
4 5 6 7 8 9 10 11 12 13 14 15 16 17	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way or the other.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes. Q. Is that true for talcum powder? A. Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way or the other. To do that, I used very similar techniques
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	obesity, women that have had pelvic inflammatory disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes. Q. Is that true for talcum powder?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way or the other.

21 (Pages 78 to 81)

Page 84 Page 82 In this case, I used a PubMed search. 1 1 I think, pretty much interchangeable terms. 2 I also used a Google search. And I reviewed a number 2 I think in evidence-based medicine probably 3 3 of textbooks. In my PubMed search, many times there fits more into my clinical practice, and it's my 4 were references that then I would turn to and also 4 understanding Bradford Hill fits more into litigation. 5 pull up to review; and that's where many of these 5 BY MR. ZELLERS: 6 publications over here in these binders come from. 6 Q. Try to answer my question if you can. 7 As I then start working my way through it, 7 Do you believe that the standard for proving 8 8 causation in the medical and scientific literature is we start -- you know, in medicine, I would call it 9 evidence-based medicine. In this particular 9 the same as the one that applies in litigation? 10 10 circumstance, Bradford Hill criteria are used to come MS. O'DELL: Object to the form. Asked 11 to a conclusion. And I have my Bradford Hill summary 11 and answered. 12 in the back of my -- at the end of my report to show 12 THE WITNESS: I believe so. 13 you how I came to my conclusions that talcum powder 13 BY MR. ZELLERS: 14 14 causes ovarian cancer. Q. Is it generally known among gynecological 15 Q. Anything else that you did in terms of your 15 oncologists that talcum powder causes ovarian cancer? 16 16 A. Not until recently. I think I referred to a methodology for concluding that talcum powder causes 17 17 ovarian cancer? tipping point that's happening right now that will 18 18 A. I, you know, of course, in looking at make more gynecologic oncologists aware of the 19 publications come to try to put some weight on the 19 20 publications, whether this is something that should be 20 Q. At least as of now, though, the answer would 21 given more weight or less weight. 21 be no based upon your experience; correct? 22 I don't have a scoring system per se, but 22 A. My experience at the moment is that many 23 evaluating the size of the study, the statistical 23 gynecologic oncologists are starting to suspect that 24 analysis, the study design, the credibility of the 24 there is an association and that talcum powder causes 25 25 author, the quality of the journal that the ovarian cancer based on the literature and then also, Page 83 Page 85 1 publication is printed in are all things that come to 1 importantly, on what the news media has been 2 2 my -- fit into my evaluation and help me come to my reporting. 3 conclusion. 3 Q. What was your methodology for focusing on 4 4 certain studies and excluding or not addressing other Q. Anything else? 5 5 studies in your review? A. In the end, it's a matter of the totality of 6 MS. O'DELL: Object to the form. 6 what I've reviewed to bring forward my opinion based 7 THE WITNESS: Well, I think I tried to 7 on the Bradford Hill criteria. 8 answer that before. I was trying to put a weight to 8 Q. Anything else? 9 those studies that are more or less strong, if you 9 A. Not that I'm aware of except for my own 10 will, and -- and others that are there but really 10 personal experience as a gynecologic oncologist for 11 don't have any input or bearing on my decision. 11 nearly 40 years. And I've harkened back several times 12 BY MR. ZELLERS: 12 already to my early training and then subsequent to 13 Q. You do not discuss or address the cohort 13 14 studies in your report; is that right? 14 Q. Did you follow this same methodology with 15 A. That's true. 15 regard to the other question that you addressed, 16 MS. O'DELL: Object to the form. 16 whether or not there was a biologic mechanism by which 17 BY MR. ZELLERS: 17 talcum powder could cause ovarian cancer? 18 Q. Would you agree that, if you had only looked 18 A. Yes. sir. 19 at the cohort studies in this case, that you would not 19 Q. Do you believe that the standard for proving 20 have been able to opine that talcum powder causes 2.0 causation in the medical literature is the same as the 21 ovarian cancer? 21 one that applies in litigation? 22 MS. O'DELL: Object to the form. 22 MS. O'DELL: Object to the form. 23 THE WITNESS: Exactly why I tried to do 23 THE WITNESS: I think that we use --24 a full literature search and included case-control 24 whether you want to call it Bradford Hill or whether 25 studies. 25 we want to call it evidence-based medicine, those are,

Page 86 Page 88 1 BY MR. ZELLERS: 1 MS. O'DELL: Mike, after 2 Q. You believe -- well, strike that. 2 Dr. Clarke-Pearson answers this question, we've been 3 3 going about an hour and 50 minutes. If we could take You have published a number of articles on 4 ovarian cancer; is that right? 4 a break, that would be great. 5 A. I believe so. 5 MR. ZELLERS: That's fine. I've got 6 6 Q. In any of those articles, have you published one more after this, and then would be glad to take a 7 your theory that baby powder causes ovarian cancer? 7 break. 8 MS. O'DELL: Object to the form. 8 BY MR. ZELLERS: 9 THE WITNESS: The intention of those 9 Q. Dr. Clarke-Pearson, can you answer that? 10 10 A. I thought I had a folder on inflammation articles was not to address causation or risk factors. 11 here. I don't think you put it under your pile. But, 11 BY MR. ZELLERS: 12 Q. Is the answer no, that you have not, at least 12 at any rate, I think I have seen evidence that talc 13 in those publications, discussed your theory that baby 13 can cause inflammation in the ovary. 14 powder causes ovarian cancer? 14 Q. Let me ask my question again. 15 MS. O'DELL: Object to the form. 15 Can you identify a single article that 16 THE WITNESS: Those papers were not 16 identifies inflammation anywhere in a woman's reproductive tract resulting from external genital 17 intended to discuss risk factors associated with 17 18 talcum powder, so the answer is no. 18 tale application? 19 19 MS. O'DELL: Object to the form. BY MR. ZELLERS: 20 Q. Have you conducted any tests or experiments 20 THE WITNESS: I don't believe so, that 21 to confirm your theory that talc migrates from the 21 I can quote for you right now. 22 perineum to the ovaries? 22 BY MR. ZELLERS: 23 MS. O'DELL: Object to the form. 23 Q. Can you cite a single study, animal or human, 24 THE WITNESS: It's my opinion -- and 24 that traces externally applied talc up through the 25 this is not a theory -- that it's well established in 25 reproductive tract to the ovaries? Page 87 Page 89 1 A. I think that's well accepted, as I said, in 1 the gynecologic community that talc can migrate along 2 2 the gynecologic community, that the vagina is open to with other particles from the perineum to the ovarian 3 3 surface and fallopian tube. the outside world, if you will, there's no lid at the 4 4 BY MR. ZELLERS: opening of the vagina, and that particles of talc can 5 5 Q. Try and answer my question if you can. migrate from the vulva and perineum up through the Have you, Dr. Clarke-Pearson, conducted any 6 6 uterus and onto the ovaries. 7 tests or experiments to confirm the theory that talc 7 Q. Now I need you to answer my question. Do you 8 migrates from the perineum to the ovaries? 8 need me to repeat it? 9 MS. O'DELL: Object to the form. 9 MS. O'DELL: Well, Counsel, won't you 10 THE WITNESS: No, I have not. 10 be courteous of the witness. He answered your 11 BY MR. ZELLERS: 11 question. You may not have liked the answer. And you 12 Q. Have you, Dr. Clarke-Pearson, conducted any 12 happy to ask another question. 13 tests or experiments to confirm your theory that talc 13 MR. ZELLERS: No, he did not answer my causes cancer via inflammation? 14 14 question. 15 MS. O'DELL: Object to the form. 15 MS. O'DELL: He did answer your 16 THE WITNESS: It's not my theory; it's 16 question. 17 my opinion that talc causes ovarian cancer through 17 MR. ZELLERS: The record will reflect 18 inflammation. 18 he did not. And I think both of us, all of us, are 19 I have not done any studies to confirm my 19 being cordial and professional. 20 opinion. 20 If, at any time, Dr. Clarke-Pearson, you 21 BY MR. ZELLERS: 21 don't think I'm being professional, let me know. 22 Q. Can you identify a single article that 22 23 identifies inflammation anywhere in a woman's 23 THE WITNESS: Sure. 24 reproductive tract resulting from external genital 24 BY MR. ZELLERS: 25 talc application? 25 Q. My specific question to you is can you cite

	Page 90		Page 92
1	any study, animal or human, that traces externally	1	several theories as to the origin of ovarian cancer;
2	applied tale up through the reproductive tact to the	2	is that right?
3	ovaries?	3	MS. O'DELL: Object to the form.
4	MS. O'DELL: Object to the form.	4	THE WITNESS: Yes.
5	THE WITNESS: So by study, you mean a	5	BY MR. ZELLERS:
6	peer-reviewed publication?	6	Q. Do you agree that, although some risk
7	BY MR. ZELLERS:	7	factors, like age or BRCA genetic mutations have been
8	Q. Yes.	8	identified, it's impossible to say for sure what the
9	A. I cannot.	9	cause of ovarian cancer was for any individual woman?
LO	MR. ZELLERS: Let's take a break.	10	MS. O'DELL: Object to the form.
L1	THE VIDEOGRAPHER: Going off the record	11	THE WITNESS: Well, we know that the
L2	at 10:50 a.m.	12	cause is a genetic mutation that allows the ovarian
L3	(Recess taken from 10:50 a.m. to 11:04 a.m.)	13	cancer that ovarian cell that was normal to become
L4	THE VIDEOGRAPHER: Back on record at	14	a malignant cell and loses its regulation and growth.
L5	11:04 a.m.	15	BY MR. ZELLERS:
L6	BY MR. ZELLERS:	16	Q. Do you agree, though, that it is impossible
L7	Q. Dr. Clarke-Pearson, do you treat women who	17	to say for sure what the cause of ovarian cancer was
L8	have ovarian cancer and other gynecological disease?	18	for any individual woman?
L9	A. I've treated hundreds of women with ovarian	19	MS. O'DELL: Object to the form.
20	cancer, put them through radical surgical procedures,	20	THE WITNESS: The cause is always a
21	including bowel resections and removing their spleen	21	gene mutation.
22	to get their cancer out. I've given them	22	BY MR. ZELLERS:
23	chemotherapy. We've had some successes. I've taken	23	Q. Is it your testimony that you are able to
24	care of a lot of patients throughout the remainder of	24	identify the cause of ovarian cancer in all cases?
		l	
25	their life as they died from ovarian cancer.	25	MS. O'DELL: Object to the form.
25	their life as they died from ovarian cancer. Page 91	25	Ms. O'DELL: Object to the form. Page 93
25 —— 1	Page 91	25	Page 93
	Page 91 So to answer your question, yes.		Page 93 THE WITNESS: I can't identify the gene
1	Page 91	1	Page 93
1 2	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer?	1 2	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS:
1 2 3	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high	1 2 3	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene
1 2 3 4	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form.	1 2 3 4	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS:
1 2 3 4 5	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes.	1 2 3 4 5	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman?
1 2 3 4 5	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS:	1 2 3 4 5 6	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any
1 2 3 4 5 6 7	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct?	1 2 3 4 5 6	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women,
1 2 3 4 5 6 7 8	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease.	1 2 3 4 5 6 7 8	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation
1 2 3 4 5 6 7 8	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it.	1 2 3 4 5 6 7 8 9	Page 93 THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic
1 2 3 4 5 6 7 8 9	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer	1 2 3 4 5 6 7 8	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCAI and 2 gene. We can also do genetic profiling more and more these days, identifying a
1 2 3 4 5 6 7 8 9	Page 91 So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right?	1 2 3 4 5 6 7 8 9 10 11	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the
1 2 3 4 5 6 7 8 9 10 11	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we	1 2 3 4 5 6 7 8 9 10	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics	1 2 3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS:
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we	1 2 3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it is impossible to say for sure what the cause of
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer. BY MR. ZELLERS:	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it is impossible to say for sure what the cause of ovarian cancer was for any individual woman?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer. BY MR. ZELLERS: Q. Is it true that no one knows for sure how	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCAI and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCAI and 2, do you agree that it is impossible to say for sure what the cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer. BY MR. ZELLERS: Q. Is it true that no one knows for sure how ovarian cancer develops?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it is impossible to say for sure what the cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: There are more gene
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer. BY MR. ZELLERS: Q. Is it true that no one knows for sure how ovarian cancer develops? MS. O'DELL: Object to the form.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it is impossible to say for sure what the cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: There are more gene mutations than BRCA 1 and 2. There's PD1 and others
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 2	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer. BY MR. ZELLERS: Q. Is it true that no one knows for sure how ovarian cancer develops? MS. O'DELL: Object to the form. THE WITNESS: I guess no one knows for	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it is impossible to say for sure what the cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: There are more gene mutations than BRCA 1 and 2. There's PD1 and others that I don't have off the top of my head that are now
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 23	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer. BY MR. ZELLERS: Q. Is it true that no one knows for sure how ovarian cancer develops? MS. O'DELL: Object to the form. THE WITNESS: I guess no one knows for sure.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it is impossible to say for sure what the cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: There are more gene mutations than BRCA 1 and 2. There's PD1 and others that I don't have off the top of my head that are now being identified.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 2	So to answer your question, yes. Q. Do you also counsel women who are at high risk for ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. Ovarian cancer is a complex disease; correct? A. Cancer, in general, is a complex disease. I wish we knew more about it. Q. No one knows for sure how ovarian cancer develops; is that right? MS. O'DELL: Object to the form. THE WITNESS: I think we have some strong opinions based on scientific research, and we continue to research further in terms of the genetics and mutations that go along with developing ovarian cancer. BY MR. ZELLERS: Q. Is it true that no one knows for sure how ovarian cancer develops? MS. O'DELL: Object to the form. THE WITNESS: I guess no one knows for	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: I can't identify the gene mutation in all cases, no. BY MR. ZELLERS: Q. Is it impossible to say for sure what gene mutation or other cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: In some individual women, we can identify the cause, for example, the mutation of the BRCA1 and 2 gene. We can also do genetic profiling more and more these days, identifying a number of gene mutations that then lead to the malignancy. BY MR. ZELLERS: Q. Other than BRCA1 and 2, do you agree that it is impossible to say for sure what the cause of ovarian cancer was for any individual woman? MS. O'DELL: Object to the form. THE WITNESS: There are more gene mutations than BRCA 1 and 2. There's PD1 and others that I don't have off the top of my head that are now

	Page 94		Page 96
1	the cause of ovarian cancer was for any individual	1	then also advise.
2	woman?	2	Q. As of today, it's not part of the patient
3	MS. O'DELL: Object to the form.	3	intake form; is that right?
4	THE WITNESS: In to answer your	4	A. As of today, no.
5	question, what I think I understand your question	5	Q. As of today, the University of North Carolina
6	being, if we can't identify a gene mutation, then we	6	and the department that you chair do not advise women
7	don't know what caused it. Is that what you're asking	7	that perineal use of talcum powder causes ovarian
8	me?	8	cancer; correct?
9	BY MR. ZELLERS:	9	MS. O'DELL: Object to the form.
10	Q. Yes.	10	THE WITNESS: That's correct.
11	A. Then the answer would be, yes, we don't know.	11	BY MR. ZELLERS:
12	Q. In your practice, do you diagnose what caused	12	Q. Do you teach residents about talc as a
13	your patients' ovarian cancer?	13	potential risk factor?
14	A. We do genetic profiling, as is a relatively	14	A. It is listed as a potential risk factor
15	new approach to trying to approach causes, and also	15	today, and I think in the very near future it will be
16	personalized treatment for patients with ovarian	16	considered a risk factor and a causative factor.
17	cancer.	17	Q. When did you first start doing that, teaching
18	Q. Other than genetic profiling, in your	18	residents about talc as a potential risk factor?
19	practice do you diagnose what caused your patients'	19	A. Well, I think it's been in the literature for
20	ovarian cancer?	20	a good while as a potential risk factor.
21	MS. O'DELL: Object to the form.	21	Q. My question is when did you first begin
22	THE WITNESS: We don't. There's no	22	teaching residents about talc as a potential risk
23	I don't think anybody can.	23	factor?
24	BY MR. ZELLERS:	24	A. I think from the time that I was starting to
25	Q. In your practice, do you tell your patients	25	teach residents in 1975 well, I was a resident in
23	Q. In your practice, do you ten your patients	25	teach residents in 1975 wen, I was a resident in
	Page 95	25	Page 9
1		1	Page 9
	Page 95 what caused their ovarian cancer other than with		Page 9
1	Page 95 what caused their ovarian cancer other than with respect to genetic profiling?	1	Page 9 75 1979 when I finished my residency and started teaching residents.
1 2	Page 95 what caused their ovarian cancer other than with	1 2	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if
1 2 3	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form.	1 2 3	Page 9 75 1979 when I finished my residency and started teaching residents.
1 2 3 4	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS:	1 2 3 4	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question?
1 2 3 4 5	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the	1 2 3 4 5	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for
1 2 3 4 5 6	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS:	1 2 3 4 5 6	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for
1 2 3 4 5 6 7	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No.	1 2 3 4 5 6 7	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fine and cause her to feel guilt that she did something to
1 2 3 4 5 6 7 8	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or	1 2 3 4 5 6 7 8	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fine
1 2 3 4 5 6 7 8	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and	1 2 3 4 5 6 7 8	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer.
1 2 3 4 5 6 7 8 9	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between	1 2 3 4 5 6 7 8 9	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying
1 2 3 4 5 6 7 8 9 10	Page 95 what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and	1 2 3 4 5 6 7 8 9 10	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum
1 2 3 4 5 6 7 8 9 10 11 12	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall.	1 2 3 4 5 6 7 8 9 10 11 12	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No.
1 2 3 4 5 6 7 8 9 10 11 12 13	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or	1 2 3 4 5 6 7 8 9 10 11 12 13	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening
1 2 3 4 5 6 7 8 9 10 11 11 12 13	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or	1 2 3 4 5 6 7 8 9 10 11 12 13 14	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screenin or monitoring for ovarian cancer based on a patient's prior use of talcum powder products?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screenin or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screenin or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screenin or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of talcum powder causes ovarian cancer?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screenin or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or ovaries because of her talcum powder use?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of talcum powder causes ovarian cancer? A. Well, again, back to my point of the tipping	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fin and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screenin or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or ovaries because of her talcum powder use? A. I think that is likely to become a discussion
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of talcum powder causes ovarian cancer?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Page 9 75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to fine and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or ovaries because of her talcum powder use?

25 (Pages 94 to 97)

	Page 98		Page 100
1	Q. As of today, you have not; is that right?	1	A. All right. I think I can answer this. This
2	A. That's correct.	2	is a long time ago.
3	Q. Have you ever asked your patients about their	3	Q. As and let me just repeat my question, and
4	exposure to asbestos in the course of taking their	4	I'm specifically looking at the statement toward the
5	medical histories?	5	bottom of the third column on page 1 of the
6	A. No.	6	publication.
7	Q. Are you familiar with screenings for asbestos	7	The study concluded that p53 mutations in
8	exposure?	8	ovarian cancer arise because of spontaneous errors in
9	A. I'm not familiar with that.	9	DNA synthesis and repair rather than the direct
10	Q. Do you ask your patients about their	10	interaction of carcinogens with DNA; is that right?
11	occupational history?	11	A. That's what it reads.
12	A. I often yes, most of the time I find out	12	Q. That would be inconsistent with the idea that
13	what the patient does outside the home.	13	exposure to talcum powder causes errors in DNA
14	Q. Do you ask your patients about the	14	synthesis and repair that lead to cancer; is that
15	occupational history of their parents?	15	right?
16	A. I do not.	16	MS. O'DELL: Object to the form.
17	Q. Do you ask your patients about their spouse's	17	THE WITNESS: No, that's not that's
18	occupational history?	18	not correct.
19	A. Sometimes.	19	BY MR. ZELLERS:
20	Q. Do you ask what kind of buildings your	20	Q. Why is that not correct?
21	patients have either lived in or do live in?	21	A. So the inflammatory response of the ovarian
22	A. No.	22	epithelium to talcum powder then leads to gene
23	Q. Do you ask about the kind of buildings that	23	mutations, and there is mounting evidence that that's
24	your patients either work in or have worked in?	24	happening in work that's being written and presented
25	A. Have not.	25	by Dr. Saed in particular.
	Page 99		Page 101
1	Q. In 1993 you coauthored an article on the	1	Q. Does your paper the 1993 paper discuss
2	mutations of the p53 gene and ovarian cancer; is that	2	inflammation?
3	right?	3	A. No. That wasn't part of the question that
4	A. I believe so. I was a coauthor.	4	was being pursued in this laboratory investigation.
5	Q. That study concluded that p53 mutations in	5	Q. Your paper in 1983 [sic] states that
6	ovarian cancer arise because of spontaneous errors in	6	(as read):
7	DNA synthesis and repair rather than direct	7	"Consistent with data from
8	interaction with strike that rather than the	8	
U		0	epidemiologic studies that failed
9	direct interaction of carcinogens with DNA; is that	9	to demonstrate a convincing
	right?	9 10	to demonstrate a convincing relationship between ovarian
9 10 11	right? MS. O'DELL: He needed	9 10 11	to demonstrate a convincing relationship between ovarian cancer and exposure to
9 10 11 12	right? MS. O'DELL: He needed THE WITNESS: I would have to see that	9 10 11 12	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens."
9 10 11 12 13	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our	9 10 11 12 13	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right?
9 10 11 12 13 14	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor.	9 10 11 12 13 14	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form.
9 10 11 12 13 14	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is	9 10 11 12 13 14 15	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS:
9 10 11 12 13 14 15	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named	9 10 11 12 13 14 15 16	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of
9 10 11 12 13 14 15 16	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler.	9 10 11 12 13 14 15 16 17	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line
9 10 11 12 13 14 15 16 17	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.)	9 10 11 12 13 14 15 16 17	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column.
9 10 11 12 13 14 15 16 17 18	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS:	9 10 11 12 13 14 15 16 17 18	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to
9 10 11 12 13 14 15 16 17 18 19 20	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a	9 10 11 12 13 14 15 16 17 18 19 20	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old
9 10 11 12 13 14 15 16 17 18 19 20 21	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you.	9 10 11 12 13 14 15 16 17 18 19 20 21	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of
9 10 11 12 13 14 15 16 17 18 19 20 21 22	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you. This is your paper that you were a coauthor	9 10 11 12 13 14 15 16 17 18 19 20 21 22	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of the investigation that we did looking at carcinogens.
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you. This is your paper that you were a coauthor on back in 1993; is that right?	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of the investigation that we did looking at carcinogens. Q. In 2009, you published an article entitled
9 10 11 12 13 14 15 16 17 18 19 20 21 22	right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you. This is your paper that you were a coauthor	9 10 11 12 13 14 15 16 17 18 19 20 21 22	to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of the investigation that we did looking at carcinogens.

	Page 102		Page 104
1	MR. ZELLERS: We'll mark your 2009	1	A. I don't recall that, but it may be on the
2	article as Deposition Exhibit 17.	2	videotape that you probably have.
3	(Exhibit No. 17 was marked for identification.)	3	Q. You did not tell the viewers that talcum
4	THE WITNESS: Yes. Okay.	4	powder was associated with or a cause of ovarian
5	BY MR. ZELLERS:	5	cancer; is that right?
6	Q. This is an article that you authored; is that	6	A. That's correct, because at that point in time
7	right?	7	I didn't believe it was causative.
8	A. Yes, it was printed in The New England	8	Q. It wasn't until after being retained in this
9	Journal. I was invited to write this clinical review.	9	case, and around the time that you concluded your
10	Q. This is an article that is captioned	10	review in November of 2018, that you formed that
11	"Screening for Ovarian Cancer." Is that right?	11	opinion; correct?
12	A. Yes.	12	MS. O'DELL: Object to the form.
13	Q. This is many years before you were retained	13	Excuse me. Go ahead.
14	by Dr. Thompson and plaintiffs' counsel in the talcum	14	THE WITNESS: As I was preparing to
15	powder litigation; is that right?	15	offer an opinion, I did this review and came to that
16	A. Yes.	16	opinion, yes.
17	Q. In this article, you discussed risk factors	17	BY MR. ZELLERS:
18	for ovarian cancer. And I'm looking at the second	18	Q. If we try to put a time on it, it would be
19	paragraph on page 1.	19	toward the latter part of 2018, once you had completed
20	A. The first page of page 170?	20	your review that you've told us about in connection
21	Q. Yes. And my question, specifically, is you	21	with this litigation; correct?
22	only discussed in this article the risk factors of	22	A. Yes.
23	family history of ovarian or breast cancer and the	23	MS. O'DELL: Object to the form.
24	BRCA genetic mutations; is that right?	24	BY MR. ZELLERS:
25	MS. O'DELL: Object to the form.	25	Q. Where do practicing gynecological oncologists
	Page 103		
1	THE WITNESS: That's what appears to	1	look for guidance on what the risk factors are for
2	be, yes.	2	ovarian cancer?
3	BY MR. ZELLERS:	3	A. I think a variety of sources, from
4	Q. You did not mention talcum powder in this	4	published in many textbooks, review articles.
5	article; is that right?	5	Q. Well, just as you don't have the time to go
6	A. It appears I didn't mention several other	6	and research each and every potential risk factor for
7	risk factors. That wasn't the intent of this article.	7	ovarian cancer in depth, you rely on certain
8	Q. Well, in July of 2014, you appeared on a FOX	8	organizations to do that research for you; right?
9	News station to discuss ovarian cancer; do you	9	MS. O'DELL: Object to the form.
10	remember that?	10	THE WITNESS: And other researchers,
10 11	remember that? A. Vaguely.	10 11	<u> </u>
	A. Vaguely.Q. That was before you were retained by		THE WITNESS: And other researchers, yes. BY MR. ZELLERS:
11	A. Vaguely.	11	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American
11 12	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct?	11 12 13 14	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG;
11 12 13 14 15	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form.	11 12 13 14 15	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right?
11 12 13 14 15	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes.	11 12 13 14 15 16	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes.
11 12 13 14 15 16	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS:	11 12 13 14 15 16 17	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of
11 12 13 14 15 16 17	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. As part of that discussion, you were asked	11 12 13 14 15 16 17 18	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of Gynecologic Oncology, or SGO; is that right?
11 12 13 14 15 16 17 18	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer.	11 12 13 14 15 16 17 18 19	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of Gynecologic Oncology, or SGO; is that right? A. Yes.
11 12 13 14 15 16 17 18 19 20	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that?	11 12 13 14 15 16 17 18 19 20	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of Gynecologic Oncology, or SGO; is that right? A. Yes. Q. Another would be the National Cancer
11 12 13 14 15 16 17 18 19 20 21	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No.	11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of Gynecologic Oncology, or SGO; is that right? A. Yes. Q. Another would be the National Cancer Institute's physician data queries?
11 12 13 14 15 16 17 18 19 20 21 22	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No. Q. Do you recall that, in that interview in	11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of Gynecologic Oncology, or SGO; is that right? A. Yes. Q. Another would be the National Cancer Institute's physician data queries? A. I probably wouldn't turn to that, but it's
11 12 13 14 15 16 17 18 19 20 21 22 23	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No. Q. Do you recall that, in that interview in 2014, July, you only mentioned age, family history of	11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of Gynecologic Oncology, or SGO; is that right? A. Yes. Q. Another would be the National Cancer Institute's physician data queries? A. I probably wouldn't turn to that, but it's information available to the public.
11 12 13 14 15 16 17 18 19 20 21 22	A. Vaguely. Q. That was before you were retained by Dr. Thompson and by plaintiffs' counsel in this case; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No. Q. Do you recall that, in that interview in	11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: And other researchers, yes. BY MR. ZELLERS: Q. One organization would be the American College of Obstetricians and Gynecologists, or ACOG; is that right? A. Yes. Q. Another organization would be the Society of Gynecologic Oncology, or SGO; is that right? A. Yes. Q. Another would be the National Cancer Institute's physician data queries? A. I probably wouldn't turn to that, but it's

	Page 106		Page 108
1	MS. O'DELL: Object to the form.	1	caused by talcum powder will be reflected in those
2	THE WITNESS: I'm not quite certain.	2	statements in the future.
3	I'm not familiar with that. Is this a PDQ you're	3	Q. You don't have any reason to believe that the
4	talking about?	4	physicians at ACOG and SGO have not kept up to date
5	BY MR. ZELLERS:	5	with the talc and ovarian cancer epidemiology, do you?
6	Q. A PDQ. But you're familiar, certainly, with	6	MS. O'DELL: Object to the form.
7	the National Cancer Institute; right?	7	THE WITNESS: I think that they haven't
8	A. Yes.	8	looked at this question as in depth as I have.
9	Q. The National Cancer Institute has funded at	9	BY MR. ZELLERS:
10	least some of the studies that you have been involved	10	Q. How do you know that?
11	in; is that right?	11	A. I'm quite certain of that.
12	A. As basic research and research into ovarian	12	Q. Well
13	cancer treatment, not necessarily risk factors.	13	A. This is a huge amount of work, to spend 80
14	Q. Is it a reputable organization, the National	14	hours reviewing materials to come to my opinion. I'm
15	Cancer Institute?	15	not aware of any other physician that's been tasked
16	A. It's an agency that sponsors cancer research,	16	with that job, if you will.
17	by and large.	17	Q. Are there not committees on both ACOG and SGO
18	Q. Is that a "yes"?	18	that look into risk factors and potential causes for
19	A. There they're reputable in terms of	19	ovarian cancer?
20	sponsoring cancer research.	20	A. I have served as the committee chair for the
21	Q. You're a member of ACOG; is that right?	21	GYN Management Committee at ACOG, which publishes
22	A. Yes, sir.	22	committee opinions. And I've also served on the
23	Q. You're a member of SGO; is that right?	23	practice committee, which puts out technical
24	A. Yes.	24	bulletins, now called practice bulletins.
25	Q. You were the president of SGO from 2009 to	25	In both cases, ACOG is asked by a member to
	Page 107		5 100
			Page 109
1		1	
1 2	2010; is that right? A. Yeah.	1 2	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG
	2010; is that right? A. Yeah.		consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG
2	2010; is that right?	2	consider investigating and writing an opinion about
2	2010; is that right?A. Yeah.Q. You've served on a number of committees for	2 3	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they
2 3 4	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right?	2 3 4	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not.
2 3 4 5	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes.	2 3 4 5	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who
2 3 4 5 6	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and	2 3 4 5 6	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer?
2 3 4 5 6 7 8	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are	2 3 4 5 6 7	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at
2 3 4 5 6 7 8	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question.
2 3 4 5 6 7 8 9 10	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS:	2 3 4 5 6 7 8	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can
2 3 4 5 6 7 8 9 10 11	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case,	2 3 4 5 6 7 8 9	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees
2 3 4 5 6 7 8 9 10 11 12	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO	2 3 4 5 6 7 8 9 10	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure.
2 3 4 5 6 7 8 9 10 11 12 13 14	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer?	2 3 4 5 6 7 8 9 10 11	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors	2 3 4 5 6 7 8 9 10 11 12 13	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified.	2 3 4 5 6 7 8 9 10 11 12 13 14	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in	2 3 4 5 6 7 8 9 10 11 12 13 14 15	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer? A. Again, I'm getting back to my point that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that Centers for Disease Control and Prevention, the CDC,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer? A. Again, I'm getting back to my point that we're at a point in time where it's a tipping point.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that Centers for Disease Control and Prevention, the CDC, does not list talcum powder or talc as a risk factor
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer? A. Again, I'm getting back to my point that we're at a point in time where it's a tipping point. And so, yes, right now, that's not posted. And	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that Centers for Disease Control and Prevention, the CDC, does not list talcum powder or talc as a risk factor for ovarian cancer?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer? A. Again, I'm getting back to my point that we're at a point in time where it's a tipping point.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that Centers for Disease Control and Prevention, the CDC, does not list talcum powder or talc as a risk factor

28 (Pages 106 to 109)

	Page 110		Page 112
1	Q. The same for the Mayo Clinic. The Mayo	1	increased risk of ovarian cancer."
2	Clinic does not list talc as a risk factor for ovarian	2	Is that right?
3	cancer; correct?	3	A. That's what they say.
4	A. I'll take your word for it.	4	Q. If you go to 18 of 18, this statement was
5	Q. Have you received funding from the National	5	updated as of January 4th of 2019; is that right?
6	Institutes of Health?	6	MS. O'DELL: Object to the form.
7	A. I've received funding from the National	7	THE WITNESS: Yes, I see they updated
8	Cancer Institute, and I have received funding for	8	that.
9	physician training through the National Institutes of	9	And I think that I do recall having seen
10	Health for a women's reproductive health research	10	this. And my recollection is that their references
11	grant.	11	are not fully up to date too. And also, it befuddles
12	Q. Are you aware that NIH does not list talc as	12	me that the National Cancer Institute is that
13	a risk factor for ovarian cancer?	13	right? National Cancer Institute, going back to
14	A. I would have to look at their publications.	14	page 12, would take statistically significant clinical
15	That wouldn't surprise me, along with all the other	15	studies and dismiss that clinical significance a
16	agencies and foundations and organizations that you've	16	relative risk of 1.44, a relative risk of 1.26 I'm
17	listed previously.	17	sorry 1.71, a relative risk of 1.2 and say that
18	Q. With respect to the National Cancer	18	they're not important.
19	Institute, they do publish guidance for physicians on	19	BY MR. ZELLERS:
20	risk factors for cancer; is that right?	20	Q. You have no personal knowledge of the
21	A. I believe so.	21	analysis done by the National Cancer Institute that
22	Q. Take a look at Deposition Exhibit 18.	22	underlie this statement; correct?
23	(Exhibit No. 18 was marked for identification.)	23	A. I don't, and I have a hard time understanding
24	BY MR. ZELLERS:	24	how they came to the conclusions they have.
25	Q. Are you familiar with this publication of the	25	Q. Well, let's look at the FDA. The FDA has
	Page 111		Page 113
1	National Cancer Institute?	1	also looked at this issue, has looked at the Bradford
2	A. No.	2	Hill factors, and has concluded that causation has not
3	Q. This is not something that you reviewed in	3	been established as between talcum powder use
4	all of your preparation and research for rendering	4	peritoneal perineal talcum powder use and ovarian
5			peritonear peritoar taream power and ovarian
-	your opinions in this case?	5	cancer; is that right?
6	your opinions in this case? A. I may have seen it, but I'm not familiar with	5 6	cancer; is that right? MS. O'DELL: Object to the form.
	•		cancer; is that right?
6	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this	6	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication.
6 7 8 9	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard	6 7	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the
6 7 8	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal	6 7 8	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look.
6 7 8 9 10 11	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter?	6 7 8 9 10 11	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as
6 7 8 9	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form.	6 7 8 9 10 11 12	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19.
6 7 8 9 10 11 12	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to	6 7 8 9 10 11 12 13	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.)
6 7 8 9 10 11 12 13	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're	6 7 8 9 10 11 12 13	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS:
6 7 8 9 10 11 12 13 14	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking.	6 7 8 9 10 11 12 13 14	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date
6 7 8 9 10 11 12 13 14 15	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS:	6 7 8 9 10 11 12 13 14 15	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to
6 7 8 9 10 11 12 13 14 15 16	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12,	6 7 8 9 10 11 12 13 14 15 16	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago.
6 7 8 9 10 11 12 13 14 15 16 17	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12, 12 of 18, at the section "Perineal Talc Exposure."	6 7 8 9 10 11 12 13 14 15 16 17	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago. A. I think I have seen this one.
6 7 8 9 10 11 12 13 14 15 16 17 18	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12, 12 of 18, at the section "Perineal Talc Exposure." Do you see that?	6 7 8 9 10 11 12 13 14 15 16 17 18	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago. A. I think I have seen this one. Q. FDA is another governmental entity; is that
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12, 12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago. A. I think I have seen this one. Q. FDA is another governmental entity; is that right?
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12, 12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago. A. I think I have seen this one. Q. FDA is another governmental entity; is that right? A. Yes.
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12, 12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states (as read):	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago. A. I think I have seen this one. Q. FDA is another governmental entity; is that right? A. Yes. Q. As far as you know, the FDA is not biased one
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12, 12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states (as read): "The weight of evidence does not	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago. A. I think I have seen this one. Q. FDA is another governmental entity; is that right? A. Yes. Q. As far as you know, the FDA is not biased one way or the other with respect to the food and drug
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I may have seen it, but I'm not familiar with all the details of it. Q. Well, did you review and rely on this statement by the National Cancer Institute with regard to ovarian, fallopian tube, and primary peritoneal cancer prevention in your review of this matter? MS. O'DELL: Object to the form. THE WITNESS: It did not contribute to my formation of my opinion, if that's what you're asking. BY MR. ZELLERS: Q. Well, take a look, if you will, on page 12, 12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states (as read):	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I'd have to see the publication. BY MR. ZELLERS: Q. Well, let's take a look. I'm handing you what we have marked as Deposition Exhibit 19. (Exhibit No. 19 was marked for identification.) BY MR. ZELLERS: Q. This is a letter from the FDA. It has a date stamp at the top, April 1, 2014. It's addressed to Dr. Epstein at the University of Illinois in Chicago. A. I think I have seen this one. Q. FDA is another governmental entity; is that right? A. Yes. Q. As far as you know, the FDA is not biased one

	Page 114		Page 116
1	THE WITNESS: No, that's incorrect. In	1	the pile.
2	my personal experience, the FDA has done a bad job in	2	BY MR. ZELLERS:
3	evaluating the risk of morcellation of uterine	3	Q. You have notes that are other than what you
4	fibroids. The data that they based their black box	4	brought here today?
5	opinion on in November of 2014 was based on inadequate	5	MS. O'DELL: I think it's in may be
6	review of the medical literature. And it was biased	6	in your stack, Doctor. I'm not sure. I don't have
7	and I think clearly influenced by some outside	7	it
8	sources.	8	THE WITNESS: Well, I'll go through it.
9	BY MR. ZELLERS:	9	My recall of this is this letter is all over
10	Q. Do you have criticisms of the FDA's review	10	the place in terms of pros and cons and pros and cons.
11	and investigation of talcum powder products?	11	So we can work my way through it, but go ahead.
12	A. I would like to reread this, because I did	12	I'm on page 4.
13	have some criticism in reading this.	13	BY MR. ZELLERS:
14	Q. Well, my question is more general. But you	14	Q. All right. The FDA goes through and reviews
15	would agree	15	epidemiology and etiology findings; is that right?
16	A. Yes, I have criticism. I think that they're	16	A. That's where they start, yes.
17	not sufficiently evaluating all the data and evidence	17	Q. The FDA noted, in reviewing this issue,
18	that's here.	18	genital use of talcum powder and ovarian cancer, that
19	Q. Does the FDA have qualified scientists and	19	"selection bias and/or uncontrolled confounding result
20	medical professionals that look at various issues,	20	in spurious positive associations"
21	including talcum powder?	21	A. I'm sorry. Can you just take me to where you
22	MS. O'DELL: Object to the form.	22	are on page 4?
23	THE WITNESS: They probably have	23	Q. Sure. Let's look if we're on page 4,
24	qualified people that sometimes make mistakes or	24	right above the findings or conclusion, it says
25	sometimes have biases of their own.	25	(as read):
	Page 115		Page 117
1	Page 115 BY MR. ZELLERS:	1	
1 2	BY MR. ZELLERS:	1 2	"After consideration of the"
	BY MR. ZELLERS: Q. But do you agree that, on scientific issues,		"After consideration of the" A. My page 4 doesn't have findings and
2	BY MR. ZELLERS:	2	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"?
2	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today,	2 3	"After consideration of the"
2 3 4	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum	2 3 4	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page
2 3 4 5	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a	2 3 4 5	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)?
2 3 4 5 6	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and	2 3 4 5 6	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology
2 3 4 5 6 7	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views?	2 3 4 5 6 7	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings"
2 3 4 5 6 7 8	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay.
2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing	2 3 4 5 6 7 8	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it
2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes.	2 3 4 5 6 7 8 9	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read):
2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the
2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA.	2 3 4 5 6 7 8 9 10 11	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at	2 3 4 5 6 7 8 9 10 11 12	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions,
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4?	2 3 4 5 6 7 8 9 10 11 12 13	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found"
2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19?	2 3 4 5 6 7 8 9 10 11 12 13 14	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read):
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of Deposition Exhibit 19.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially contribute to ovarian cancer,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of Deposition Exhibit 19. THE WITNESS: Ms. O'Dell, may I have	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially contribute to ovarian cancer, including selection bias and/or

30 (Pages 114 to 117)

	Page 118		Page 120
1	ovarian cancer."	1	A. That's with regard in the first part of
2	Did I read that correctly?	2	their sentence to "no single study."
3	A. Yes.	3	Q. Let's look at Conclusion 3.
4	Q. You would agree that there are limitations on	4	"The FDA concludes that results of
5	case-control studies; is that right?	5	case-control studies do not
6	A. Yes, there are.	6	demonstrate a consistent positive
7	Q. There are difficulties in interpreting a	7	association across studies."
8	retrospective case-control study; is that right?	8	Is that right?
9	MS. O'DELL: Object to the form.	9	MS. O'DELL: Objection.
10	THE WITNESS: I'm not sure what you	10	THE WITNESS: That's wrong. You read
11	mean by "difficulties."	11	it right; it's wrong.
12	BY MR. ZELLERS:	12	BY MR. ZELLERS:
13	Q. Well, are there limitations in interpreting a	13	Q. You disagree with the FDA's conclusion; is
14	retrospective case-control study?	14	that right?
15	A. There can be.	15	A. Yes.
16	Q. What are those limitations that you're aware	16	Q. And I'm going to ask you all about that
17	of based upon your experience?	17	today
18	A. Well, it depends upon how the study is	18	A. Okay.
19	designed, in terms of the size of the study, the	19	Q so you'll have to chance to tell me why
20	how the you know, recall issue is always an issue	20	you disagree.
21	when you're dealing with patients retrospectively.	21	Did the FDA also state that, at least based
22	There are similar problems in cohort studies	22	upon its review of the epidemiology and etiology
23	as well.	23	findings, that a dose response strike that that
24	Q. My question is very simple.	24	dose response evidence is lacking?
25	What are you aware of in terms of	25	MS. O'DELL: Object to the form.
	Page 119		Page 121
1	limitations of retrospective case-control studies?	1	THE WITNESS: And can you show me where
2	MS. O'DELL: Object to the form. Asked	2	you're reading that?
3	and answered.	3	
4			BY MR. ZELLERS:
	BY MR. ZELLERS:		BY MR. ZELLERS: O. Sure. Conclusion 3. last part of the
5	BY MR. ZELLERS: O. That generally apply to case-control studies.	4 5	Q. Sure. Conclusion 3, last part of the
5 6	Q. That generally apply to case-control studies.	4	Q. Sure. Conclusion 3, last part of the statement.
		4 5	Q. Sure. Conclusion 3, last part of the statement.A. There is dose response evidence. It's not in
6	Q. That generally apply to case-control studies.MS. O'DELL: Object to the form. Asked	4 5 6	Q. Sure. Conclusion 3, last part of the statement.A. There is dose response evidence. It's not in every single study, but we are aware of dose
6 7	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are	4 5 6 7 8	 Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response
6 7 8	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered.	4 5 6 7 8 9	 Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's
6 7 8 9	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies.	4 5 6 7 8 9	 Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it
6 7 8 9	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of	4 5 6 7 8 9 10	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is
6 7 8 9 10	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular	4 5 6 7 8 9 10 11 12	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking?
6 7 8 9 10 11 12	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat	4 5 6 7 8 9 10 11 12 13	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my
6 7 8 9 10 11 12 13	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study.	4 5 6 7 8 9 10 11 12 13 14	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response — Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion.
6 7 8 9 10 11 12 13	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS:	4 5 6 7 8 9 10 11 12 13 14 15	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent
6 7 8 9 10 11 12 13 14 15	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is	4 5 6 7 8 9 10 11 12 13 14 15	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at
6 7 8 9 10 11 12 13 14 15	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct?	4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc
6 7 8 9 10 11 12 13 14 15 16	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be.	4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking."
6 7 8 9 10 11 12 13 14 15 16 17	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least
6 7 8 9 10 11 12 13 14 15 16 17 18	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right?	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014?
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected,	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably — there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight — or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias. Q. And, at least in this document, the FDA	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to say (as read):
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias.	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response — Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to say (as read): "Exposure to talc does not account
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias. Q. And, at least in this document, the FDA states that "those result in spurious positive	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to say (as read): "Exposure to talc does not account for all cases of ovarian cancer."
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably — there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight — or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias. Q. And, at least in this document, the FDA states that "those result in spurious positive associations between talc use and ovarian cancer	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to say (as read): "Exposure to talc does not account

	Page 122		Page 124
1	cancer. I can't believe the FDA would even say	1	rejected classification of tale as carcinogenic and
2	something like this.	2	instead assigned it to the classification of possibly
3	Q. Are you able to answer my question without	3	carcinogenic to humans?
4	editorializing?	4	MS. O'DELL: Object to the form.
5	A. I answered your question. I have to finish	5	THE WITNESS: I think that was an IARC
6	the whole sentence that you want me to read.	6	publication in the mid 2000s. And I'm aware of it,
7	Q. Did the FDA state, as of 2014, that "a cogent	7	yes.
8	biological mechanism by which tale might lead to	8	BY MR. ZELLERS:
9	ovarian cancer is lacking"?	9	Q. Are you generally familiar with the IARC
10	MS. O'DELL: Object to the form. Asked	10	categories?
11	and answered.	11	A. Generally, but I'm happy to walk through them
12	THE WITNESS: That's what half of the	12	with you.
13	sentence says. That's what the FDA wrote.	13	Q. Sure. Doctor, I show you Exhibit 20.
14	BY MR. ZELLERS:	14	(Exhibit No. 20 was marked for identification.)
15	Q. All right. IARC, you're certainly familiar	15	BY MR. ZELLERS:
16	with IARC. You brought your whole monograph here with	16	Q. This is a one-page listing of the agents
17	you today; is that right?	17	classified by the IARC monographs, Volumes 1 to 123,
18	A. Yes.	18	and it lists out the different categories that IARC
19	MS. O'DELL: Object to the form. It's	19	classifies agents within.
20	not his monograph; it's not the whole monograph	20	You're generally familiar with
21	it's multiple monographs, as you know. So don't	21	A. Yes.
22	don't be	22	Q with these classifications; is that right?
23	MR. ZELLERS: I haven't gone through it	23	A. Yes, sir.
24	page by page, but it looks like it's about a	24	Q. Looking at Exhibit 20, there are 120 agents
25	2-inch-thick monograph that he brought with him today.	25	in Group 1, "carcinogenic to humans"; is that right?
	Page 123		Page 125
1	BY MR. ZELLERS:	1	A. Yes.
2	Q. My question is, are you familiar with IARC?	2	Q. That's the only category in which IARC finds
3	A. I am.	3	sufficient evidence in humans; is that right?
4	Q. All right. IARC has addressed Bradford Hill	4	A. That's my understanding.
5	considerations with respect to talc used in a perineal	5	Q. And there's 82 agents in Group 2A, "probably
6	manner with respect to women is that right? in	6	carcinogenic to humans"; is that right?
7	ovarian cancer?	7	A. I see that.
8	MS. O'DELL: Object to the form.	8	Q. It appears that IARC isn't shy about
	THE WITNESS: You're asking me a	1	
9	THE WITTLESS. Toute asking the a	9	declaring something to be either a known or a probable
9 10	question, not what the FDA is writing here now but	9 10	declaring something to be either a known or a probable carcinogen; is that right?
	_		carcinogen; is that right?
10	question, not what the FDA is writing here now but	10	carcinogen; is that right? MS. O'DELL: Object to the form.
10 11	question, not what the FDA is writing here now but what IARC has said?	10 11	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being
10 11 12	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS:	10 11 12	carcinogen; is that right? MS. O'DELL: Object to the form.
10 11 12 13 14 15	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC	10 11 12 13	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their
10 11 12 13 14 15 16	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill	10 11 12 13 14	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two
10 11 12 13 14 15	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right?	10 11 12 13 14 15	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right?
10 11 12 13 14 15 16 17	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form.	10 11 12 13 14 15 16	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two
10 11 12 13 14 15 16 17 18	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs?	10 11 12 13 14 15 16 17	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably
10 11 12 13 14 15 16 17 18 19	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's	10 11 12 13 14 15 16 17	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right?
10 11 12 13 14 15 16 17 18 19 20 21	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs	10 11 12 13 14 15 16 17 18	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form.
10 11 12 13 14 15 16 17 18 19 20 21	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs and they relate to different substances. So, for your	10 11 12 13 14 15 16 17 18 19 20 21	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what it says.
10 11 12 13 14 15 16 17 18 19 20 21 22 23	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs and they relate to different substances. So, for your specific question, that might be helpful.	10 11 12 13 14 15 16 17 18 19 20 21 22	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what it says. BY MR. ZELLERS:
10 11 12 13 14 15 16 17 18 19 20 21	question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs and they relate to different substances. So, for your	10 11 12 13 14 15 16 17 18 19 20 21	carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what it says.

32 (Pages 122 to 125)

	Page 126		Page 128
1	A. Yes.	1	I just have a few general questions.
2	Q. IARC doesn't have a Group 5, "not	2	A. All right. Well, please go ahead.
3	carcinogenic," do they?	3	Q. Well, are you able to tell me, generally,
4	A. Not on this sheet.	4	what association the literature reports between talc
5	Q. With genital talc, IARC has classified	5	use and ovarian cancer?
6	genital talc as a Group 2B category agent; is that	6	A. The literature consistently shows an
7	right?	7	increased risk of developing ovarian cancer in women
8	MS. O'DELL: Object to the form.	8	that are exposed to talcum powder.
9	THE WITNESS: I'm not sure. It's just	9	Q. Generally, it's around a 1.3 odds ratio in
10	genital talc. Isn't the talcum powder of all forms?	10	the case-control studies; is that fair?
11	BY MR. ZELLERS:	11	MS. O'DELL: Object to the form.
12	Q. Talcum powder is a Group 2B agent, "possibly	12	THE WITNESS: I would acknowledge that,
13	carcinogenic to humans"; is that right?	13	yes.
14	A. Yes.	14	BY MR. ZELLERS:
15	Q. That designation is based, according to the	15	Q. All right. Do you also acknowledge that the
16	IARC definitions, on limited evidence in humans; is	16	epidemiologists consider a 1.3 odds ratio in
17	that right?	17	case-control studies to be a weak or modest
18	MS. O'DELL: Object to the form.	18	association?
19	THE WITNESS: I would have to read what	19	MS. O'DELL: Object to the form.
20	is written.	20	THE WITNESS: I'm not sure what they
21	BY MR. ZELLERS:	21	mean by "weak" or "modest."
22	Q. Is it your understanding that, in classifying	22	BY MR. ZELLERS:
23	talcum powder as a Group 2B agent, that IARC cannot	23	Q. Would you categorize it as a weak or modest
24	rule out chance, bias, or confounding with reasonable	24	association?
25	confidence; correct?	25	A. No. I would call it a statistically
	Page 127		Page 129
1			
	A. I suppose you're reading that from some IARC	1	significant observation that impacts the lives of
2	A. I suppose you're reading that from some IARC statement that I don't have, but	1 2	significant observation that impacts the lives of thousands of women that I've taken care of over the
2	statement that I don't have, but		
		2	thousands of women that I've taken care of over the
3	statement that I don't have, but Q. That's generally your understanding; correct?	2	thousands of women that I've taken care of over the years and that, if talcum powder were not on the
3 4	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents	2 3 4	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of
3 4 5	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes.	2 3 4 5	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of
3 4 5 6	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic?	2 3 4 5 6	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of.
3 4 5 6 7	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as	2 3 4 5 6 7	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as
3 4 5 6 7 8	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic?	2 3 4 5 6 7 8	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive.
3 4 5 6 7 8 9	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not.	2 3 4 5 6 7 8 9	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS:
3 4 5 6 7 8 9	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery?	2 3 4 5 6 7 8 9	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an
3 4 5 6 7 8 9 10 11 12 13	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that	2 3 4 5 6 7 8 9 10	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a
3 4 5 6 7 8 9 10 11 12 13 14	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say?	2 3 4 5 6 7 8 9 10 11	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association;
3 4 5 6 7 8 9 10 11 12 13 14	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right?
3 4 5 6 7 8 9 10 11 12 13 14 15	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery.	2 3 4 5 6 7 8 9 10 11 12 13 14	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak"
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest."
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer? A. Well, now we move into looking at	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer? A. Well, now we move into looking at epidemiology, in my opinion.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association? A. I think
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer? A. Well, now we move into looking at	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association? A. I think MS. O'DELL: Object to the form.

Page 130 Page 132 BY MR. ZELLERS: MS. O'DELL: Object to the form. 1 1 2 Q. I take it that's no to my question. Is that 2 THE WITNESS: I'm not sure that 3 right? And I'll ask it again if you'd like me to. 3 question --MS. O'DELL: Object to the form. 4 4 BY MR. ZELLERS: 5 I think he answered your question. 5 Q. I thought it was a good question. I can try to do it again, but, did you not understand that 6 THE WITNESS: I'm not aware that it's a 6 7 strong association or a weak association. It's a 7 question? 8 8 statistically significant association. A. I think what you're trying to get at is does 9 9 talcum powder have equal carcinogenic effect resulting BY MR. ZELLERS: 10 Q. You cannot point me to any peer-reviewed 10 in different types of epithelial ovarian cancers? 11 11 literature on talc and ovarian cancer that states that Q. Yes. 12 1.3 is a strong association; correct? 12 A. Okay. So different types of epithelial 13 MS. O'DELL: Object to the form. Asked 13 ovarian cancers are separated into several -- and we 14 14 believe there are several different mechanisms that and answered. 15 THE WITNESS: That's correct. 15 cause them. So in the past, they've been lumped into 16 16 epithelial ovarian cancers; but, in fact, the biology BY MR. ZELLERS: 17 of mucinous tumors -- cancers -- are different than 17 Q. IARC does not refer to this as a strong 18 18 association; correct? serous cancers. 19 19 A. I'm not familiar with what IARC says. Based on the epidemiologic evidence that 20 Q. FDA does not refer to this as a strong 20 I've seen, there is a preponderance of impact on women 21 association: correct? 21 that have serous carcinomas of the ovary, which is the 22 A. I'm not aware. 22 most common ovarian cancer; and because it is the most 23 Q. The National Cancer Institute does not refer 23 common, it's more likely we're going to see a 24 to this as a strong association; correct? 24 statistical association as opposed to a rarer cancer 25 25 A. I'm not aware what they said about strong or like a mucinous cancer. Page 131 Page 133 1 weak. 1 So that is my answer to your question. 2 2 Q. Do your opinions as to talcum powder used in Q. Do your opinions on causation and strength of 3 3 the perineal area being a risk factor and/or a association apply equally to all forms of ovarian 4 4 causative factor for serous ovarian cancer also apply 5 5 A. No. to mucinous ovarian cancer? 6 6 Q. Are you able to break down your opinion with A. I think the association is weaker for 7 7 respect to ovarian cancer? mucinous. 8 A. Yeah. So there are three types of ovarian 8 O. How about for endometrioid? 9 cancer: germ cell, sex cord-stromal, and epithelial 9 A. I think some studies have suggested 10 10 ovarian cancers. I have no evidence that sex endometrioid is increased risk with talcum powder. 11 cord-stromal tumors or germ cell tumors are associated 11 O. Is it weaker? 12 with the use of talcum powder, although they are rare 12 A. Is it weaker? 13 cancers, so it would take much larger populations to 13 O. Than serous. 14 really fully investigate that issue. 14 A. Than serous? I'm not certain of that. 15 Q. Do you -- strike that. 15 O. Clear cell, is it weaker than serous? 16 Does your opinion on strength of association 16 A. I'm not certain of that because clear cell is 17 and causation apply equally to all forms of epithelial 17 a very rare cancer. 18 ovarian cancer? 18 Q. On page 8 of your report, you say that 19 A. Reading the literature, it appears that there 19 (as read): 20 is some variation in terms of impact that talcum 20 "The strength of association 21 powder might have on some forms of ovarian cancer. 21 between talcum powder and ovarian 22 Q. Tell us what your opinions with the different 22 cancer is critically important 23 subtypes of epithelial ovarian cancer and whether or 23 because of severity and frequency 24 not they are either a risk factor or a causative 24 of ovarian cancer." 25 factor for ovarian cancer. 25 Is that right?

34 (Pages 130 to 133)

	Page 134		Page 136
1	A. That's what I say.	1	exhibit copy.
2	Q. Do you believe that ovarian cancer is a	2	A. Sure.
3	frequently occurring disease?	3	Q. We have marked this one as Exhibit 21.
4	A. In my practice it is. It occurs in 22,400	4	(Exhibit No. 21 was marked for identification.)
5	women a year in the United States, and about 14,000 of	5	THE WITNESS: Okay.
6	those women will ultimately die of their cancer.	6	MS. O'DELL: Feel free to look at your
7	Q. What is your support for that?	7	own copy if you'd rather, Doctor.
8	A. My support for that data, the incidence of	8	BY MR. ZELLERS:
9	ovarian cancer?	9	Q. Do you have Exhibit 21?
10	Q. Yes.	10	A. Yes. You gave me two copies. Here, let me
11	A. Well, I may have rounded it off and it may	11	give you one back.
12	not be exact, but the American I mean the American	12	Q. Ah, okay.
13	Cancer Society, the SEER database. Those would be two	13	You have both the exhibit copy I gave you,
14	sources of information that count the annual incidence	14	which is not highlighted, and you have your own
15	of ovarian cancer and the mortality from ovarian	15	personal highlighted copy of the study; is that right?
16	cancer.	16	A. Yes, sir.
17	Q. When you examine a causation, are you more	17	Q. On page 7 of your report, you address this
18	likely to consider a lower association causal if the	18	meta-analysis by Langseth; is that right?
19	disease is severe or frequent?	19	A. I've lost track of my report, but as soon as
20	MS. O'DELL: Object to the form.	20	I get to it here we go.
21	THE WITNESS: Let me read your question	21	Q. Your report is Exhibit 5; is that right?
22	again.	22	A. I have one that's not marked, but go ahead.
23	I'm not sure what you mean by "lower	23	Q. Well, turn to page 7.
24	association."	24	A. Mm-hmm.
25		25	Q. And do you see in your chart you have
	Page 135		Page 137
1	BY MR. ZELLERS:	1	identified Langseth as one of the six articles that
2	Q. You have told us in your report that "the	2	you have pulled out and highlighted in your paper; is
3	strength of association between talcum powder and	3	that might?
4] 3	that right?
-	ovarian cancer is critically important because of the	4	A. Yes.
5	severity and frequency of ovarian cancer."	4 5	A. Yes.Q. And you list the odds ratio found by Langseth
	severity and frequency of ovarian cancer." Is that right?	4 5 6	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is
5 6 7	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right.	4 5 6 7	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right?
5 6 7 8	severity and frequency of ovarian cancer." Is that right?	4 5 6 7 8	A. Yes.Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right?A. That's correct.
5 6 7 8 9	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association	4 5 6 7 8 9	 A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth
5 6 7 8 9	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent?	4 5 6 7 8 9	 A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21.
5 6 7 8 9 10 11	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form.	4 5 6 7 8 9 10	 A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that?
5 6 7 8 9 10 11	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have	4 5 6 7 8 9 10 11	 A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes.
5 6 7 8 9 10 11 12	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the	4 5 6 7 8 9 10 11 12 13	 A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies;
5 6 7 8 9 10 11 12 13 14	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is.	4 5 6 7 8 9 10 11 12 13 14	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right?
5 6 7 8 9 10 11 12 13 14 15	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS:	4 5 6 7 8 9 10 11 12 13 14	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so.
5 6 7 8 9 10 11 12 13 14 15 16	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have	4 5 6 7 8 9 10 11 12 13 14 15	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have
5 6 7 8 9 10 11 12 13 14 15 16	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in	4 5 6 7 8 9 10 11 12 13 14 15 16	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right?
5 6 7 8 9 10 11 12 13 14 15 16 17 18	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in this case; is that right?	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right? A. I'm going to have to go through each one, so
5 6 7 8 9 10 11 12 13 14 15 16 17 18	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in this case; is that right? A. I believe so. It's one of the meta-analyses,	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right? A. I'm going to have to go through each one, so give me a moment here.
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in this case; is that right? A. I believe so. It's one of the meta-analyses, as I recall.	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right? A. I'm going to have to go through each one, so give me a moment here. I count 11.
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in this case; is that right? A. I believe so. It's one of the meta-analyses, as I recall. Q. Are you familiar with the Langseth	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right? A. I'm going to have to go through each one, so give me a moment here. I count 11. Q. You count 11 that found a statistical
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in this case; is that right? A. I believe so. It's one of the meta-analyses, as I recall. Q. Are you familiar with the Langseth publication?	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right? A. I'm going to have to go through each one, so give me a moment here. I count 11. Q. You count 11 that found a statistical significance?
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in this case; is that right? A. I believe so. It's one of the meta-analyses, as I recall. Q. Are you familiar with the Langseth publication? A. I have read it, and I think it's of value,	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right? A. I'm going to have to go through each one, so give me a moment here. I count 11. Q. You count 11 that found a statistical significance? A. Where the confidence interval does not
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	severity and frequency of ovarian cancer." Is that right? A. Yes, that's right. Q. My question is, when you examine causation, are you more likely to consider a lower association causal if the disease is severe or frequent? MS. O'DELL: Object to the form. THE WITNESS: No, it doesn't have anything to do with my opinion as to what the causation is. BY MR. ZELLERS: Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in this case; is that right? A. I believe so. It's one of the meta-analyses, as I recall. Q. Are you familiar with the Langseth publication?	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. And you list the odds ratio found by Langseth and the other authors in that paper to be 1.40; is that right? A. That's correct. Q. Go to Figure 1 on page 359 of the Langseth article, Exhibit 21. Do you have that? A. Yes. Q. And Langseth lists 20 case-control studies; is that right? A. I believe so. Q. Of those 20 studies, only 10 have statistically significant results; is that right? A. I'm going to have to go through each one, so give me a moment here. I count 11. Q. You count 11 that found a statistical significance?

35 (Pages 134 to 137)

	Page 138		Page 140
1	A. Yes.	1	what 10 out of 20 we're talking about.
2	Q. Second, Harlow; correct?	2	MS. O'DELL: Sorry, Doctor. Object to
3	A. Yes.	3	the form. Asked and answered.
4	Q. Cramer again; correct?	4	You may answer his question.
5	A. Yes.	5	BY MR. ZELLERS:
6	Q. Purdie; is that right?	6	Q. Generally, if you flip a coin 20 times, are
7	A. Yes.	7	you going to get 10 heads and 10 tails?
8	Q. Chang?	8	MS. O'DELL: Object to the form.
9	A. Yes.	9	THE WITNESS: Statistically, yes.
10	Q. Cook?	10	BY MR. ZELLERS:
11	A. Yes.	11	Q. All right. Is it your opinion that 10 out of
12	Q. Green?	12	20 means there are consistent results across
13	A. Yep.	13	studies
14	Q. Cramer?	14	A. That's where a meta-analysis puts weight onto
15	A. Yep.	15	some studies more than others.
16	Q. Ness?	16	Q. The
17	A. Yes.	17	A and comes up with a conclusion that this
18	Q. Mills?	18	is a statistically significant finding, pooling all of
19	A. Yes.	19	these papers.
20	Q. That's 10. You see another one?	20	Q. Langseth is just looking at the case-control
21	A. Okay. I'm sorry. I counted the pooled odds	21	studies; is that right?
22	ratio population-based studies. So 10. Yes, I agree	22	A. Yes.
23	with you.	23	Q. Langseth concluded and the authors
24	Q. So out of the 20 case-control studies that	24	concluded that causation should be rejected and
25	are cited by Langseth and that you rely on for your	25	that more study is needed; is that right?
	Page 139		Page 141
1	opinions in this matter, only 10 of the 20 have	1	MS. O'DELL: Object to the form.
2	statistically significant results; is that right?	2	THE WITNESS: I'd have to see where
3	A. Yes.	3	that's written.
4	Q. Is this the first time that you've done that	I .	
5		4	BY MR. ZELLERS:
-	exercise, that you've actually looked at the 20	5	BY MR. ZELLERS: Q. Well, look under so same page, underneath
6	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have		Q. Well, look under so same page, underneath our table, see where it says "Proposal to research
	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results?	5	Q. Well, look under so same page, underneath
6	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form.	5 6	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research
6 7 8 9	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through	5 6 7 8 9	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read):
6 7 8 9 10	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again.	5 6 7 8 9	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental
6 7 8 9 10 11	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you	5 6 7 8 9 10 11	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is
6 7 8 9 10 11	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think	5 6 7 8 9 10 11 12	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal
6 7 8 9 10 11 12	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant	5 6 7 8 9 10 11 12 13	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use
6 7 8 9 10 11 12 13	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis.	5 6 7 8 9 10 11 12 13 14	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk."
6 7 8 9 10 11 12 13 14	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS:	5 6 7 8 9 10 11 12 13 14 15	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly?
6 7 8 9 10 11 12 13 14 15	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no	5 6 7 8 9 10 11 12 13 14 15	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly.
6 7 8 9 10 11 12 13 14 15 16	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every — to count — let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss?	5 6 7 8 9 10 11 12 13 14 15 16	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing
6 7 8 9 10 11 12 13 14 15 16 17	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss? MS. O'DELL: Object to the form.	5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing conclusions from this study that are broader than the
6 7 8 9 10 11 12 13 14 15 16 17 18	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss? MS. O'DELL: Object to the form. THE WITNESS: You're misusing	5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing conclusions from this study that are broader than the study authors' own conclusions?
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss? MS. O'DELL: Object to the form. THE WITNESS: You're misusing epidemiologic data.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing conclusions from this study that are broader than the study authors' own conclusions? MS. O'DELL: Object to the form.
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss? MS. O'DELL: Object to the form. THE WITNESS: You're misusing epidemiologic data. BY MR. ZELLERS:	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing conclusions from this study that are broader than the study authors' own conclusions? MS. O'DELL: Object to the form. THE WITNESS: My opinion is not based
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss? MS. O'DELL: Object to the form. THE WITNESS: You're misusing epidemiologic data. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing conclusions from this study that are broader than the study authors' own conclusions? MS. O'DELL: Object to the form. THE WITNESS: My opinion is not based on just this study; it's based on all of the studies
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss? MS. O'DELL: Object to the form. THE WITNESS: You're misusing epidemiologic data. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss?	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing conclusions from this study that are broader than the study authors' own conclusions? MS. O'DELL: Object to the form. THE WITNESS: My opinion is not based on just this study; it's based on all of the studies that I have in my report where there's a consistency
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	exercise, that you've actually looked at the 20 studies and determined that only 10 of them have statistically significant results? MS. O'DELL: Object to the form. THE WITNESS: No. I didn't go through every to count let me read your question again. I was not aware of the exact count that you brought to my attention. On the other hand, I think that this paper results in a statistically significant finding. That's the beauty of a meta-analysis. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no better than a coin toss? MS. O'DELL: Object to the form. THE WITNESS: You're misusing epidemiologic data. BY MR. ZELLERS: Q. Would you agree that 10 out of 20 is no	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Well, look under so same page, underneath our table, see where it says "Proposal to research community"? A. Yes. Q. (As read): "The current body of experimental and epidemiological evidence is insufficient to establish a causal association between perineal use of talc and ovarian cancer risk." Did I read that correctly? A. You read that correctly. Q. Would you agree that you're drawing conclusions from this study that are broader than the study authors' own conclusions? MS. O'DELL: Object to the form. THE WITNESS: My opinion is not based on just this study; it's based on all of the studies

36 (Pages 138 to 141)

	Page 142		Page 144
1	perineal talc. Those confidence intervals in all of	1	A. That's right.
2	those meta-analyses are statistically significant.	2	Q. You just discuss the case-control studies and
3	MR. ZELLERS: Move to strike as	3	then the meta-analyses; is that right?
4	nonresponsive.	4	A. That's correct.
5	BY MR. ZELLERS	5	MS. O'DELL: Object to the form.
6	Q. Are these at least with the Langseth	6	BY MR. ZELLERS
7	paper, you've gone further than what the authors have	7	Q. The cohort studies do not show a
8	concluded; correct?	8	statistically significant association between talc use
9	MS. O'DELL: Object to the form.	9	and ovarian cancer; is that right?
10	THE WITNESS: I'm developing my opinion	10	A. The cohort studies were not designed to
11	on the totality of the evidence that I have reviewed.	11	answer that question. They're poorly done and I don't
12	BY MR. ZELLERS:	12	think contribute to this discussion.
13	Q. Please answer my question. Just on the	13	Q. Is that a "yes," that the cohort studies do
14	Langseth paper	14	not show a statistically significant association
15	A. My opinion is not based on the Langseth	15	between talc use and ovarian cancer?
16	paper.	16	A. The way they're written and studied and
17	Q. I understand. But with respect to Langseth	17	reported, you're correct.
18	and the opinions that you've drawn from Langseth,	18	Q. Berge 2017, that's a paper you've got in one
19	you've gone further in your conclusions than the	19	of your folders that we went through earlier today.
20	Langseth paper authors; correct?	20	And you're generally familiar with that study; is that
21	A. No, I do not.	21	right?
22	MS. O'DELL: Excuse me.	22	A. Yes.
23	Object to the form. Misstates his	23	Q. In Berge, the authors concluded that
24	testimony.	24	(as read):
25	You may repeat your answer if you'd like.	25	"The positive association between
	Page 143		Page 145
1	Page 143 THE WITNESS: My conclusions are not	1	Page 145
1 2		1 2	
	THE WITNESS: My conclusions are not		talc use and ovarian cancer
2	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of	2	talc use and ovarian cancer appears to be limited to serous
2	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill	2 3	talc use and ovarian cancer appears to be limited to serous histologic type and to
2 3 4	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right?	2 3 4	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes.
2 3 4 5	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill	2 3 4 5	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding
2 3 4 5 6	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right?	2 3 4 5 6	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion?
2 3 4 5 6 7 8	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian	2 3 4 5 6 7	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right?	2 3 4 5 6 7 8 9	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think
2 3 4 5 6 7 8 9 10	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes.	2 3 4 5 6 7 8 9 10	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly
2 3 4 5 6 7 8 9 10 11	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under	2 3 4 5 6 7 8 9 10 11	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they
2 3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read):	2 3 4 5 6 7 8 9 10 11 12	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all.
2 3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these	2 3 4 5 6 7 8 9 10 11 12 13	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many
2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their	2 3 4 5 6 7 8 9 10 11 12 13 14	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian]	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum powder use."	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct? MS. O'DELL: Object
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum powder use." Is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct? MS. O'DELL: Object THE WITNESS: I did
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum powder use." Is that right? A. Yes, sir.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct? MS. O'DELL: Object THE WITNESS: I did MS. O'DELL: Excuse me. Object to the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: My conclusions are not based on only Langseth. That is a piece of information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum powder use." Is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	talc use and ovarian cancer appears to be limited to serous histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct? MS. O'DELL: Object THE WITNESS: I did

	Page 146		Page 148
1	THE WITNESS: This table back here	1	Q. You're aware that one of the studies
2	that's got all these papers on it, we excluded.	2	another one of the meta-analyses that you cite to,
3	They're not in my discussion. I considered them, and	3	Penninkilampi 2018, excludes the Gates 2010 cohort
4	I didn't think that they contributed to the	4	study; right?
5	information that I needed to present in my report.	5	A. I believe so.
6	BY MR. ZELLERS:	6	Q. How did you make a determination to weigh
7	Q. You state that Penninkilampi shows that the	7	Penninkilampi more heavily than Berge?
8	cohort studies support a statistically well, strike	8	They're both meta-analyses; correct?
9	that.	9	A. Right.
10	I want to ask you a few questions about the	10	Q. Why did you make a determination to weigh
11	cohort studies.	11	Penninkilampi 2018 and place greater weight on it than
12	Did you review the Gates 2010 cohort study?	12	the Berge study?
13	A. Yes.	13	MS. O'DELL: Object to the form.
14	Q. The Gates 2010 cohort study found that there	14	THE WITNESS: I don't think
15	was not a statistically significant relationship for	15	I necessarily placed greater weight on it. I've told
16	the serous invasive subtype of ovarian cancer; is that	16	you how I weight studies, and they all contribute to
17	right?	17	the totality of my opinion.
18	A. I believe that's true, from my recollection.	18	BY MR. ZELLERS:
19	Q. Berge 2017 shows that the cohort studies do	19	Q. Did you well, strike that.
20	not support a statistically significant relationship	20	Isn't it a problem that Penninkilampi 2018
21	between perineal talc use and ovarian cancer for any	21	does not factor in the data from the Gates 2010 study,
22	subtype; is that right?	22	given that the Gates study tends to negate an
23	MS. O'DELL: Object to the form.	23	association between perineal talc use and ovarian
24	THE WITNESS: This is Berge's analysis	24	cancer?
25	of the cohort studies and Berge's meta-analysis. Is	25	MS. O'DELL: Object to the form.
	Page 147		
	rage 117		Page 149
1		1	
1 2	that the paper you're talking about? BY MR. ZELLERS:	1 2	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to
	that the paper you're talking about?		THE WITNESS: I can't explain to you
2	that the paper you're talking about? BY MR. ZELLERS:	2	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to
2	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017.	2 3	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it.
2 3 4	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what	2 3 4	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS:
2 3 4 5	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says.	2 3 4 5	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that
2 3 4 5 6	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left	2 3 4 5 6	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate?
2 3 4 5 6 7	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read):	2 3 4 5 6 7	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control
2 3 4 5 6 7 8	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears	2 3 4 5 6 7 8	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds
2 3 4 5 6 7 8 9	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic	2 3 4 5 6 7 8	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that.
2 3 4 5 6 7 8 9	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control	2 3 4 5 6 7 8 9	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds
2 3 4 5 6 7 8 9 10	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies."	2 3 4 5 6 7 8 9 10	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13 14	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi
2 3 4 5 6 7 8 9 10 11 12	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those
2 3 4 5 6 7 8 9 10 11 12 13 14	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS: Q. We're in agreement on that; correct, Doctor?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS: Q. We're in agreement on that; correct, Doctor?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you. No, I did not go back.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS: Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS: Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are accurately reporting the odds ratios and the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS: Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract. BY MR. ZELLERS: Q. You were aware that Berge 2017 included the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are accurately reporting the odds ratios and the confidence intervals?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS: Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract. BY MR. ZELLERS: Q. You were aware that Berge 2017 included the Gates 2010 cohort study; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are accurately reporting the odds ratios and the confidence intervals? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that the paper you're talking about? BY MR. ZELLERS: Q. Yes. 2017. A. I presume, if you're reading it, that's what he says. Q. Well, I'm looking at Berge 2017, page 6, left column, at the bottom (as read): "This positive association appears to be limited to serous histologic type and the case-control studies." We covered that earlier; correct? A. Yes. MS. O'DELL: What page, please? MR. ZELLERS: Page 6. BY MR. ZELLERS: Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract. BY MR. ZELLERS: Q. You were aware that Berge 2017 included the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: I can't explain to you what Penninkilampi was thinking or why he chose to exclude it. BY MR. ZELLERS: Q. Did you verify that the data that Penninkilampi reports is accurate? A. Have I gone through every single case-control study and verified every number that's in his tables? Q. Have you strike that. Penninkilampi purports to report odds ratios, lower limits and upper limits, for the individual studies; is that right? A. Yes. Q. Did you go back to verify that Penninkilampi was correct in his reporting of the results of those individual studies? A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are accurately reporting the odds ratios and the confidence intervals?

38 (Pages 146 to 149)

	Page 150		Page 152
1	process that resulted in this publication.	1	May of 2018, European Journal of Cancer Prevention.
2	BY MR. ZELLERS:	2	BY MR. ZELLERS:
3	Q. If there were errors in reporting of the odds	3	Q. Okay. So let's do this: Doctor, if you
4	ratios or the confidence intervals, would that call	4	don't mind, hand me your copy. We'll mark that as
5	into question the reliability of the study?	5	Deposition Exhibit 23.
6	MS. O'DELL: Object to the form.	6	MR. ZELLERS: For right now, I'm going
7	THE WITNESS: It might.	7	to just put a No. 23. And, Ms. Court Reporter, if, at
8	BY MR. ZELLERS:	8	a break, you can put an official sticker on it.
9	Q. Of the histological subtypes for epithelial	9	MS. O'DELL: I hate to even say this,
10	ovarian cancer, do you consider endometrioid and clear	10	but did we mark 22?
11	cell to be related?	11	MR. ZELLERS: Yes. So Deposition
12	A. No.	12	Exhibit 22 is the Berge 2017 paper.
13	Q. You do not consider endometrioid and clear	13	Deposition Exhibit 23 is the Berge
14	cell ovarian cancer to be related?	14	publication that appeared in the European Journal of
15	A. Only related in they fall into the	15	Cancer Prevention, dated May 2018.
16	classification of epithelial ovarian cancers.	16	(Exhibit Nos. 22 and 23 were marked for
17	Q. Penninkilampi only found a statistically	17	identification.)
18	significant increased risk for serous and endometrioid	18	BY MR. ZELLERS:
19	ovarian cancers; is that right?	19	Q. So I'm going to hand both of these back to
20	A. Okay. Yes.	20	you, Dr. Clarke-Pearson.
21	MS. O'DELL: Let excuse me, Doctor.	21	MR. ZELLERS: I'm going to hand out my
22	If you need to look at the	22	exhibit copies to counsel.
23	BY MR. ZELLERS:	23	Let me also, just so we have it in the
24	Q. You have Penninkilampi in front of you,	24	record, we'll mark as Deposition Exhibit 24 the
25	right, Doctor?	25	Penninkilampi meta-analysis that's referred to in the
	Page 151		Page 153
1 1	A T1		
1	A. I have.	1	doctor's report.
2	Q. And if you need to take any more time to	2	doctor's report. (Exhibit No. 24 was marked for identification.)
2	Q. And if you need to take any more time to answer any of my questions, please do.	2 3	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS:
2 3 4	Q. And if you need to take any more time to answer any of my questions, please do.A. Okay.	2 3 4	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more
2 3 4 5	Q. And if you need to take any more time to answer any of my questions, please do.A. Okay.Q. Penninkilampi did not find a statistically	2 3 4 5	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions?
2 3 4 5 6	 Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous 	2 3 4 5 6	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it.
2 3 4 5 6 7	 Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? 	2 3 4 5 6 7	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental
2 3 4 5 6 7 8	 Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? 	2 3 4 5 6 7 8	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid
2 3 4 5 6 7 8	 Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the 	2 3 4 5 6 7 8	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer?
2 3 4 5 6 7 8 9	 Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. 	2 3 4 5 6 7 8 9	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10	 Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous 	2 3 4 5 6 7 8 9 10	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes.
2 3 4 5 6 7 8 9 10 11	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell.	2 3 4 5 6 7 8 9 10 11	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our	2 3 4 5 6 7 8 9 10 11 12 13	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding?
2 3 4 5 6 7 8 9 10 11 12 13	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark	2 3 4 5 6 7 8 9 10 11 12 13 14	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'D'ELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian Cancer, a Meta-analysis." That's the one that I'm	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told us earlier that you find a stronger association
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian Cancer, a Meta-analysis." That's the one that I'm referring to and I believe the one that the doctor has	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told us earlier that you find a stronger association between perineal talcum powder use and serous ovarian

39 (Pages 150 to 153)

	Page 154		Page 156
1	MS. O'DELL: Object to the form.	1	exposure at one point in time and never followed the
2	THE WITNESS: I think serous has the	2	patients subsequent to that to get some idea of
3	strongest association. But in some studies we see,	3	frequency of use, whether the patient continued to use
4	just as you're quoting from the whichever the study	4	the talcum powder so that the real question is ever
5	is that we're looking at, that endometrioid the	5	use. We don't know duration and frequency from these
6	Penninkilampi study so serous and endometrioid is	6	cohort.
7	increased.	7	MR. ZELLERS: Move to strike as
8	BY MR. ZELLERS:	8	nonresponsive.
9	Q. But not clear cell or mucinous; correct?	9	MS. O'DELL: Oppose the motion.
10	A. That's correct in this one study.	10	MR. ZELLERS: And, Counsel,
11	Q. Do you believe that Penninkilampi 2018	11	I understand that anytime I do that, you will oppose
12	provides evidence that there's a biologically	12	it.
13	plausible mechanism by which talc can cause ovarian	13	MS. O'DELL: I just wanted to make it
14	cancer?	14	clear. Didn't want you to think I was asleep over
15	A. I don't recall, and I'm not seeing it as I do	15	here.
16	a quick scan, that he addresses mechanisms of	16	MR. ZELLERS: I'm going to ask my
17	cancer carcinogenesis. I wouldn't expect that in	17	question again.
18	an epidemiologic study.	18	BY MR. ZELLERS:
19	Q. Penninkilampi specifically states that	19	Q. Dr. Clarke-Pearson, all of the cohort studies
20	(as read):	20	were prospective as opposed to retrospective; correct?
21	"A certain causal link between	21	A. They're prospective except for the fact that
22	talc use and ovarian cancer has	22	they don't continue to evaluate the ongoing use of
23	not been established."	23	talc in these patients. It was a point in time that
24	Correct?	24	the patient was asked whether she did or didn't use
25	MS. O'DELL: Object to the form.	25	talc.
23	Tible of Babaille of Jeels to the form	25	tale.
	Page 155	23	Page 157
1	-	1	
	Page 155		Page 157 Q. The cohort studies were not subject to the
1	Page 155 THE WITNESS: That's what he has	1	Page 157
1 2	Page 155 THE WITNESS: That's what he has written, and you've read it correctly.	1 2	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control
1 2 3	Page 155 THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a	1 2 3	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right?
1 2 3 4	Page 155 THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel?	1 2 3 4	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every
1 2 3 4 5	Page 155 THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from	1 2 3 4 5	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true.
1 2 3 4 5 6	Page 155 THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph.	1 2 3 4 5 6	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct?
1 2 3 4 5 6	Page 155 THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right.	1 2 3 4 5 6	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes.
1 2 3 4 5 6 7 8	Page 155 THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS:	1 2 3 4 5 6 7 8	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific
1 2 3 4 5 6 7 8	Page 155 THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last	1 2 3 4 5 6 7 8 9	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct?
1 2 3 4 5 6 7 8 9	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side	1 2 3 4 5 6 7 8 9	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form.
1 2 3 4 5 6 7 8 9 10	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has	1 2 3 4 5 6 7 8 9 10	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct?
1 2 3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established."	1 2 3 4 5 6 7 8 9 10 11 12	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly?	1 2 3 4 5 6 7 8 9 10 11 12 13	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you	1 2 3 4 5 6 7 8 9 10 11 12 13 14	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating).	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS:
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right? A. Not by recall bias, no.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right? MS. O'DELL: Object to the form.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right? A. Not by recall bias, no. Q. All of the cohort studies were prospective as	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Page 157 Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: The issue in these large
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right? A. Not by recall bias, no.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right? MS. O'DELL: Object to the form.

	Page 158		Page 160
1	worked out in most cases, and there is a consistency	1	case; is that right?
2	across all of these studies.	2	A. Yes.
3	BY MR. ZELLERS:	3	Q. Schildkraut 2016 looked at, among other
4	Q. I'm going to ask you about consistency. I'm	4	things, what impact, if any, lawsuit filings in 2014
5	going to ask you about confounding factors. But, for	5	had had on whether women recalled using talc in the
6	right now, please try to answer my question.	6	past; is that right?
7	Recall bias could distort results if women	7	A. I think she tried to evaluate that, yes.
8	with ovarian cancer were more likely to remember their	8	Q. The authors thought that the publicity from
9	exposure to talc than women without ovarian cancer;	9	the lawsuits might influence the participants' recall
10	correct?	10	of prior body powder use; is that right?
11	A. Yes, that could distort the results.	11	A. Yes.
12	Q. Recall bias could explain the fact that some	12	Q. If we go to page 4 of Exhibit 25
13	retrospective case-control studies have found a	13	A. Page 1414, Table 2?
14	statistically significant relationship between talcum	14	Q. Yeah. Page 1414, Table 2, the second column
15	powder and ovarian cancer but the cohort studies have	15	shows the number of cases. That's women with ovarian
16	not; correct?	16	cancer; is that right?
17	MS. O'DELL: Object to the form.	17	A. Yes.
18	THE WITNESS: (As read):	18	Q. The third column shows the controls. Those
19	"Recall bias could explain the	19	are the women who do not have ovarian cancer; is that
20	fact that some retrospective	20	right?
21	case-control studies have found a	21	A. That's correct.
22	statistically significant	22	Q. Looking at this data, before 2014, before the
23	relationship between talcum powder	23	lawsuits, the percentage of controls meaning women
24	and ovarian cancer?"	24	without ovarian cancer who said they used talc on
25	Yes, that's true.	25	their genitals was 34 percent; is that right?
1	Page 159 And then you go on to say "but the cohort	1	Page 161 A. That's not in this table, I don't think, is
2	studies have not."	2	it?
3	Have not found a statistically significant	3	
4	relationship? That's true. The cohort studies	1	O. Take a look do you see, under Exposure.
	relationship: That's true. The conort studies	4	Q. Take a look do you see, under "Exposure," "Body powder use by location"? It's about eight lines
5	haven't found a statistically because the cohort	4 5	"Body powder use by location"? It's about eight lines
5 6	•		"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than
	haven't found a statistically because the cohort	5	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014."
6	haven't found a statistically because the cohort studies have many other confounding and inadequate	5 6	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay.
6 7	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation.	5 6 7	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls
6 7 8	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as	5 6 7 8	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay.
6 7 8 9 10 11	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016	5 6 7 8 9	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they
6 7 8 9 10 11	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that	5 6 7 8 9	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that
6 7 8 9 10 11 12	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right?	5 6 7 8 9 10 11	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right?
6 7 8 9 10 11 12 13	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response?	5 6 7 8 9 10 11 12	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date
6 7 8 9 10 11 12 13 14	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response.	5 6 7 8 9 10 11 12 13	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used."
6 7 8 9 10 11 12 13 14 15	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies.	5 6 7 8 9 10 11 12 13 14	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use."
6 7 8 9 10 11 12 13 14 15 16	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please,	5 6 7 8 9 10 11 12 13 14 15	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes.
6 7 8 9 10 11 12 13 14 15 16 17	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut	5 6 7 8 9 10 11 12 13 14 15	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying.
6 7 8 9 10 11 12 13 14 15 16 17 18	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nomresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you.	5 6 7 8 9 10 11 12 13 14 15 16 17	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.)	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS:	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right? A. Right. That's correct.
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS: Q. Do you have that in front of you?	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right?
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS: Q. Do you have that in front of you? A. Yes. You just handed it to me.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right? A. Right. That's correct. Q. So roughly the same reporting of genital talc use between women with and without ovarian cancer
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	haven't found a statistically because the cohort studies have many other confounding and inadequate parts of their evaluation. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS: Q. Do you have that in front of you?	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	"Body powder use by location"? It's about eight lines down, "Interview date, less than or earlier than 2014." A. I'm with you, yeah. Okay. Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right? A. Right. That's correct. Q. So roughly the same reporting of genital talc

	Page 162		Page 164
1	Q. Now, look at what happened after the lawsuits	1	BY MR. ZELLERS:
2	were filed.	2	Q. At least according to the author, the women,
3	A. I see.	3	after a lawsuit was filed, with ovarian cancer
4	Q. After 2014, what percent of women without	4	remembered using talc much more than the women without
5	ovarian cancer said they used tale on their genitals?	5	ovarian cancer; correct?
6	A. 34.4 percent.	6	A. Yes.
7	Q. So essentially the same as before; is that	7	MS. O'DELL: Object to the form.
8	right?	8	BY MR. ZELLERS:
9	A. Yes.	9	Q. Those findings would be an example of the
10	Q. So, based on this data, the lawsuits had	10	potential effect of recall bias; is that right?
11	essentially no effect on how many of the women without	11	A. Yes.
12	ovarian cancer, the controls, remembered or recalled	12	MS. O'DELL: Object to the form.
13	using baby powder; is that right?	13	BY MR. ZELLERS:
14	A. That seems to be true.	14	Q. What was your methodology for discounting the
15	Q. For women with ovarian cancer, as we	15	effect of recall bias in the population-based
16	discussed, before the lawsuits were filed,	16	case-control studies?
17	36.5 percent of them said they recalled using baby	17	A. My methodology was to rely on a skilled
18	powder; is that right?	18	epidemiologist like Dr. Schildkraut to work her way
19	A. Yes.	19	through all of the data and come up to her
20	Q. But after the lawsuits were filed,	20	conclusions.
21	the percent of women with ovarian cancer who said they	21	Q. Is there a rate of error in such a
22	used baby powder went up to 51.5 percent; is that	22	methodology?
23	right?	23	MS. O'DELL: Object to the form.
24	A. That's correct.	24	THE WITNESS: I'm not sure I know what
25	Q. So after the lawsuits were filed, the percent	25	you mean by "rate of error."
	Page 163		Page 165
1	of women with ovarian cancer who said they used baby	1	BY MR. ZELLERS:
2			
_	powder jumped by over 40 percent; is that right?	2	Q. Didn't the cohort studies involve a much
3	powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5.	2 3	Q. Didn't the cohort studies involve a much greater number of women than the case-control studies?
	A. It went from 36.5 to 51.5.		-
3		3	greater number of women than the case-control studies? A. More women altogether, but less cancer cases.
3 4	A. It went from 36.5 to 51.5.Q. That's just over 40 percent; correct? That	3 4	greater number of women than the case-control studies?
3 4 5	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase?	3 4 5	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the
3 4 5 6	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51?	3 4 5 6	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control
3 4 5 6 7	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes.	3 4 5 6 7	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies?
3 4 5 6 7 8	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but	3 4 5 6 7 8	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues
3 4 5 6 7 8 9	 A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. 	3 4 5 6 7 8 9	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are
3 4 5 6 7 8 9	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes.	3 4 5 6 7 8 9	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of
3 4 5 6 7 8 9 10	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that?	3 4 5 6 7 8 9 10	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data.
3 4 5 6 7 8 9 10 11	 A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. 	3 4 5 6 7 8 9 10 11	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in
3 4 5 6 7 8 9 10 11 12	 A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. 	3 4 5 6 7 8 9 10 11 12 13	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right?
3 4 5 6 7 8 9 10 11 12 13 14	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS:	3 4 5 6 7 8 9 10 11 12 13 14	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies.
3 4 5 6 7 8 9 10 11 12 13 14	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit	3 4 5 6 7 8 9 10 11 12 13 14 15	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the
3 4 5 6 7 8 9 10 11 12 13 14 15	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer	3 4 5 6 7 8 9 10 11 12 13 14 15 16	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies. Q. Well, Gates 2010, the Nurses' Health Study,
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I don't know that it	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies. Q. Well, Gates 2010, the Nurses' Health Study, did you review that?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I don't know that it the hypothesis that Dr. Schildkraut puts out there is	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies. Q. Well, Gates 2010, the Nurses' Health Study, did you review that? A. Yes.

42 (Pages 162 to 165)

Page 166 Page 168 Q. It's an analysis of data collected in the 1 1 age 30; right? 2 Nurses' Health Study; correct? 2 A. That's what we've seen in other studies. 3 3 Q. So if a study asks women ages 36 to 61 if A. Yes. 4 Q. The analysis included over 100,000 women; is 4 they use talcum powder, it would capture the majority 5 5 that right? of women who use genital powder during the follow-up 6 6 A. I believe so. period; correct? 7 Q. The women in the Nurses' Health Study were 7 MS. O'DELL: Objection to form. 8 followed from 1976 to 2006, so for 30 years; is that 8 THE WITNESS: During the follow-up 9 right? 9 period? 10 A. The knowledge in this study by the study --10 BY MR. ZELLERS: 11 the researchers doing the study did not gain any 11 Q. Yes. 12 information about exposure until 1982. 12 A. No. It's a point in time. The question was 13 Q. After following over 100,000 women for three 13 ever used up to 1982. 14 decades, the data did not show a statistically 14 Q. It would capture the majority of women who 15 significant relationship between talcum powder use and 15 use, genital powder use; is that right? In this 16 any type of epithelial ovarian cancer; is that 16 study. 17 17 MS. O'DELL: Object to the form. correct? 18 MS. O'DELL: Object to the form. 18 THE WITNESS: Up till 1982. 19 THE WITNESS: That's correct, and 19 BY MR. ZELLERS: 20 there's many defects in the design of this study. 20 Q. Houghton, 2014, the Women's Health Initiative 21 For example, the patients were never asked, 21 Study, did you review that study? 22 once again after 1982, whether they used or didn't use 22 A. I did. 23 talc or how frequently they used talc. 23 Q. That study involves over 61,000 women; is 24 BY MR. ZELLERS: 24 that right? 25 25 Q. Well, let me ask you questions about that. A. And only 429 cases of ovarian cancer. Page 167 Page 169 Q. Houghton 2014 did not find a statistically 1 The Nurses' Health Study participants were 1 2 2 between the ages of 30 to 55 at the start of the study significant relationship between perineal talc use and 3 3 in 1976; is that right? ovarian cancer among women who had ever used talc; is 4 A. I believe so. 4 that right? 5 MS. O'DELL: If you need to see it --5 A. Yes. And this study was not powered to THE WITNESS: I don't have -- well, 6 6 identify --7 maybe I do have it here. 7 MS. O'DELL: If you need it. 8 BY MR. ZELLERS: 8 THE WITNESS: -- the relative risk that 9 Q. If you need to take a look at it -- do you 9 we're talking about in the cohort studies -- I mean 10 have it in front of you? I can give it to you if you 10 the case-control studies. Excuse me. 11 need it. 11 BY MR. ZELLERS: 12 A. Okay. 12 Q. Or among women who had fewer than nine years 13 Q. So my question is the Nurses' Health Study 13 of perineal talc use; right? participants were between the ages of 30 to 55 at the 14 14 A. That's what I believe. 15 start of the study in 1976; is that right? 15 Q. I'm looking at page 4, Houghton 2014, 16 A. Yes. 16 Table 2. 17 Q. They were asked about their talcum powder use 17 A. Okay. The question again? Table 2? 18 in 1982; is that right? 18 Q. Yeah. The question is Houghton did not find 19 A. That's my understanding, yes. 19 a statistically significant relationship between 20 Q. So they would have been between the ages of 20 perineal talc use and ovarian cancer among women who 21 36 and 61 when they were asked about their talcum 21 had fewer than nine years of perineal talc use; right? 22 powder use; is that right? 22 A. Yes. That sort of exposure is minimal. 23 A. Yes. 23 Q. Or among women who had more than ten years of 24 Q. Most women, as we have discussed, who used 24 perineal talc use; is that right? 25 talc in their perineal region start that use before 25 A. Yes.

43 (Pages 166 to 169)

	Page 170		Page 172
1	Q. And the same results for talcum powder on a	1	Q. Sure.
2	sanitary napkins or diaphragms; is that right?	2	A. So he is saying that the cohort studies are
3	A. Yes.	3	not powered to detect 1.25.
4	Q. Isn't it true that, when combined in a	4	Q. What he is saying, I believe, is that the
5	meta-analysis, these cohort studies, the three that	5	cohort studies are powered to detect a relative risk
6	we're talking about, have sufficient power to detect a	6	of 1.25, which was the basis for his conclusion in the
7	relative risk of 1.25?	7	last sentence (as read):
8	A. I'm not aware that that how that	8	"Thus low power of cohort studies
9	calculation was made.	9	cannot be invoked as explanation
10	Q. Did you consider the published power	10	of the heterogeneity of results."
11	calculation by Berge?	11	MS. O'DELL: Object to the form.
12	And so if you look at the Berge 2017 paper,	12	THE WITNESS: I read that with a
13	page 6, second column, first paragraph, Berge and his	13	different understanding.
14	coauthor states (as read):	14	What he's saying is that the ability of the
15	"The statistical power of the	15	cohort study is to detect a relative risk of 1.25 that
16	meta-analysis of these cohort	16	is similar to the results of the meta-analyses
17	studies"	17	case-control studies was only .99.
18	MS. O'DELL: I'm sorry, Mike. Where	18	So those cohort studies aren't powered to
19	are you reading? Page 6?	19	detect 1.25.
20	MR. ZELLERS: Page 6, second column,	20	BY MR. ZELLERS:
21	first paragraph.	21	Q. Does Berge conclude "Thus low power of cohort
22	MS. O'DELL: Thank you.	22	studies cannot be invoked as explanation of the
23	MR. ZELLERS: Sure.	23	heterogeneity of results"?
24	THE WITNESS: Second column. That's	24	A. And I'm not sure what I mean what you mean
25	what this looks like to me (indicating).	25	by what he means by "heterogeneity of results."
	Page 171		Page 173
_			
1	BY MR. ZELLERS:	1	
1 2		1 2	Q. Did I read it correctly?
	Q. Looking at Exhibit 22.		Q. Did I read it correctly?A. Yes, you read it correctly.
2		2	Q. Did I read it correctly?
2	Q. Looking at Exhibit 22.A. I've got 23, which is the more recent paper.	2 3	Q. Did I read it correctly?A. Yes, you read it correctly.Q. All right.
2 3 4	Q. Looking at Exhibit 22.A. I've got 23, which is the more recent paper.Q. Well, take a look at 22, which is the year	2 3 4	Q. Did I read it correctly?A. Yes, you read it correctly.Q. All right.You're familiar with the hospital-based
2 3 4 5	Q. Looking at Exhibit 22.A. I've got 23, which is the more recent paper.Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm	2 3 4 5	Q. Did I read it correctly?A. Yes, you read it correctly.Q. All right.You're familiar with the hospital-based case-control studies; is that right?
2 3 4 5 6	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me?	2 3 4 5 6	 Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the
2 3 4 5 6 7	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column.	2 3 4 5 6 7	 Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes.
2 3 4 5 6 7 8	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me?	2 3 4 5 6 7 8	 Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use
2 3 4 5 6 7 8 9	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes.	2 3 4 5 6 7 8 9 10	 Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right?
2 3 4 5 6 7 8 9 10 11	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay.	2 3 4 5 6 7 8 9 10 11	 Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the	2 3 4 5 6 7 8 9 10 11 12 13	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read):	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's — do you have Langseth there? That might be an easy way to — A. I do. Q. — take a look at this.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be invoked as an explanation of the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21. A. I have it.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be invoked as an explanation of the heterogeneity of results."	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21. A. I have it. Q. And if we look at his table on page 359, he
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Looking at Exhibit 22. A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be invoked as an explanation of the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Did I read it correctly? A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21. A. I have it.

	Page 174		Page 176
1	Do you see that?	1	patients to hospitalized patients; is that right?
2	A. Right. Those are in the forest plot, yes.	2	A. Yes.
3	Q. None of the hospital-based case-control	3	Q. Whereas in a population-based study, you're
4	studies show a statistically significant association	4	more likely to be comparing ill people to healthy
5	between talc use and ovarian cancer; correct?	5	people; is that right?
6	A. Yes.	6	MS. O'DELL: Object to the form.
7	Q. The results of the hospital-based	7	THE WITNESS: In a hospital-based
8	case-control studies are not consistent with the	8	study, the people are ill. That's why they're in the
9	results of the population-based case-control studies;	9	hospital.
10	correct?	10	BY MR. ZELLERS:
11	A. That's right. That's why they're combined.	11	Q. And they're compared to other ill people,
12	Q. What methodology did you use to account for	12	other hospitalized patients; is that right?
13	this lack of consistency between the population-based	13	A. Yes.
14	case-control studies and the hospital-based	14	Q. There's a difference in the populations that
15	case-control studies?	15	are being studied between a hospital-based
16	A. This is what the beauty of a meta-analysis	16	case-control study and a population-based case-control
17	is, where it brings together all the studies and comes	17	study; correct?
18	to a conclusion. And the conclusion here is that	18	A. Yes.
19	there's a 1.35 risk of developing ovarian cancer in	19	Q. How did you account for selection bias in
20	women who receive perineal talc.	20	population case-control studies?
21	Q. Which Langseth and the other authors	21	A. I think if there was selection bias and
22	concluded was "insufficient to establish a causal	22	I didn't control for selection bias, but if there was
23	association between perineal use of talc and ovarian	23	selection bias, first of all, it would be usually
24	cancer risk"; correct?	24	negated by the large number of patients in that study.
25	MS. O'DELL: Object to the form.	25	Q. Even among the population-based case
	Page 175		Page 177
1	THE WITNESS: It's statistically	1	controls, some studies have shown statistically
2	significant, which to a clinician means that we could	2	significant findings and some have not; is that right?
3	reduce the risk of ovarian cancer if we eliminated	3	A. Yes.
4	talcum powder from the patients that are being exposed	4	Q. What is your methodology for weighing the
5	to it.	5	lack of consistency in statistical significance across
6	MS. BOCKUS: Object. Nonresponsive.	6	case-control studies?
7	MR. ZELLERS: Joined.	7	
		'	MS. O'DELL: Objection to form.
8	BY MR. ZELLERS:	8	THE WITNESS: That's where a
	BY MR. ZELLERS: Q. Are you familiar with the term "selection		
8		8	THE WITNESS: That's where a
8 9	Q. Are you familiar with the term "selection	8 9	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a
8 9 10	Q. Are you familiar with the term "selection bias"?	8 9 10	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean
8 9 10 11	Q. Are you familiar with the term "selection bias"?A. Yes.Q. What does "selection bias" mean?A. Means that the selection of the patients in a	8 9 10 11 12 13	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right?
8 9 10 11 12 13 14	 Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may 	8 9 10 11 12 13 14	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes.
8 9 10 11 12 13 14	 Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to 	8 9 10 11 12 13 14 15	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you
8 9 10 11 12 13 14	 Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. 	8 9 10 11 12 13 14	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes.
8 9 10 11 12 13 14 15 16	 Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control 	8 9 10 11 12 13 14 15 16	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so.
8 9 10 11 12 13 14 15 16 17	Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than	8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a — we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break.
8 9 10 11 12 13 14 15 16 17 18	Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct?	8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a — we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record
8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form.	8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a — we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m.
8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I believe	8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m. (Recess taken from 12:46 p.m. to 1:45 p.m.)
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I believe that.	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m. (Recess taken from 12:46 p.m. to 1:45 p.m.) THE VIDEOGRAPHER: Back on record at
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I believe that. BY MR. ZELLERS:	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m. (Recess taken from 12:46 p.m. to 1:45 p.m.) THE VIDEOGRAPHER: Back on record at 1:45 p.m.)
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I believe that.	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m. (Recess taken from 12:46 p.m. to 1:45 p.m.) THE VIDEOGRAPHER: Back on record at

45 (Pages 174 to 177)

	Page 178		Page 180
1	you have a table where you state that you reviewed six	1	MS. O'DELL: Object to the form.
2	meta-analyses reported between 1995 and 2018; is that	2	THE WITNESS: To some degree.
3	right?	3	BY MR. ZELLERS:
4	A. Yes. I overlooked adding Berge to this list.	4	Q. A proper meta-analysis or pooled analysis
5	Q. What other studies did you overlook adding to	5	must analyze the sources of heterogeneity across the
6	this list?	6	studies; right?
7	A. Subsequent to my report, there's also a	7	A. Yes.
8	meta-analysis by Taher.	8	Q. And a proper meta-analysis or pooled analysis
9	Q. Any other studies that you omitted from your	9	must examine the methodology that lead to the
10	report and specifically the table on page 7?	10	underlying studies; right?
11	MS. O'DELL: Object to the form.	11	A. Yes. I think that's where the weighting done
12	THE WITNESS: No, not that I'm aware	12	in the meta-analysis helps.
13	of.	13	Q. Did you examine the methodology in the
14	BY MR. ZELLERS:	14	studies underlying these meta-analyses and pooled
15	Q. What's the difference well, strike that.	15	analyses?
16	In your report, page 7, you list out five	16	A. Not in detail.
17	meta-analyses and a pooled analysis; is that right?	17	Q. Do you agree that consistency exists when
18	A. Yes.	18	different studies look at different populations
19	Q. What is the difference between a pooled	19	strike that. Let me ask that question again.
20	analysis and a meta-analysis?	20	Do you agree that consistency exists when
21	A. You know, I really can't give you a good	21	different studies looking at different populations
22	definition of that.	22	reach consistent results?
23	Q. How did you select these five studies to set	23	MS. O'DELL: Object to the form.
24	forth in your report?	24	THE WITNESS: Yes. It seems to be wha
25	A. I think these were all of the meta-analyses	25	I would consider consistency.
	Page 179		Page 18.
1	Page 179 that I was aware of.	1	Page 18 BY MR. ZELLERS:
1 2	that I was aware of.	1 2	BY MR. ZELLERS:
	that I was aware of. Q. Did you only review the studies that showed a		BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether
2	that I was aware of.	2	BY MR. ZELLERS:
2	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between	2 3	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whethe similar results were replicated across different
2 3 4	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer?	2 3 4	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct?
2 3 4 5	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses	2 3 4 5	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were
2 3 4 5 6	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify.	2 3 4 5 6	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis.
2 3 4 5 6 7	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the	2 3 4 5 6 7	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk
2 3 4 5 6 7 8	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right?
2 3 4 5 6 7 8 9	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot
2 3 4 5 6 7 8 9	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes.	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different
2 3 4 5 6 7 8 9 10	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the	2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct?
2 3 4 5 6 7 8 9 10 11 12 13	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate
2 3 4 5 6 7 8 9 10 11 12 13 14 15	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question? If there are biases and confounding in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question? If there are biases and confounding in the underlying studies, the meta-analysis or pooled	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whethe similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation? MS. O'DELL: Object to the form. THE WITNESS: I don't understand what
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question? If there are biases and confounding in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation? MS. O'DELL: Object to the form.

46 (Pages 178 to 181)

	Page 182		Page 184
1	BY MR. ZELLERS:	1	can let the record correct this later if need be.
2	Q. In your report, you claim that Penninkilampi	2	Doctor
3	and every meta-analysis before 2018 report a similar	3	MS. O'DELL: I'll have it in front of
4	increase in the risk of epithelial ovarian cancer with	4	you in one moment, Doctor.
5	the use of talcum powder; is that right?	5	BY MR. ZELLERS:
6	A. Yes.	6	Q. Okay. Dr. Clarke-Pearson, you now have
7	Q. But each of these meta-analyses that you set	7	Langseth 2008 and Cramer 1999 in front of you; is that
8	forth on page 7 of your report use many of the same	8	right?
9	studies as the other meta-analyses; is that right?	9	A. Yes.
10	A. Yes. Over time, new case-control studies	10	Q. Langseth 2008 included all but one of the 14
11	were added to the meta-analyses.	11	studies that were included in Cramer 1999; is that
12	Q. Well, for instance, Langseth 2008 and Graham	12	right?
13	1999 each include all nine of the studies that were	13	A. This is the Cramer case-control study.
14	included in Gross and Berg 1995; is that right?	14	Q. Let me ask you the question this way, Doctor:
15	MS. O'DELL: Object to the form.	15	Do you have any reason to doubt as you sit here or
16	THE WITNESS: I believe	16	dispute as you sit here that Langseth 2008 did not
17	MS. O'DELL: Did you say Graham '99?	17	include all but one of the 14 studies that were
18	MR. ZELLERS: No, I said Cramer '99.	18	included in Cramer 1999?
19	MS. O'DELL: Okay. I thought you said	19	A. I would accept that as the truth.
20	Graham.	20	Q. Thank you. As you sit here, do you have any
21	THE WITNESS: It says Graham on the	21	reason to doubt or dispute that Langseth 2008 included
22	transcription.	22	all but one of the 15 studies that were included in
23	MS. O'DELL: So Cramer is what you're	23	Huncharek 2003?
24	referring to, '99?	24	I understand you don't have the studies in
25	MR. ZELLERS: Yes. I'll ask that	25	front of you to be able to make that
	Page 183		Page 185
1	Page 183 question again if it was unclear.	1	
1 2	question again if it was unclear. BY MR. ZELLERS:	1 2	Page 185
	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999		Page 185 MS. O'DELL: Let me just I would
2	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were	2	Page 185 MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare
2 3 4 5	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct?	2 3	Page 185 MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the
2 3 4 5 6	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so.	2 3 4	Page 185 MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare
2 3 4 5 6 7	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14	2 3 4 5	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him,
2 3 4 5 6 7 8	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct?	2 3 4 5 6	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons
2 3 4 5 6 7 8 9	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to	2 3 4 5 6 7	Page 185 MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish.
2 3 4 5 6 7 8 9	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare	2 3 4 5 6 7 8	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons
2 3 4 5 6 7 8 9 10	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper.	2 3 4 5 6 7 8	Page 185 MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses
2 3 4 5 6 7 8 9 10 11	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's.	2 3 4 5 6 7 8 9	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the
2 3 4 5 6 7 8 9 10 11 12	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves.
2 3 4 5 6 7 8 9 10 11 12 13	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of	2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you
2 3 4 5 6 7 8 9 10 11 12 13 14 15	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No.	2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from earlier today that you have in front of you; right,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from earlier today that you have in front of you; right, Doctor?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were included in Huncharek 2003.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from earlier today that you have in front of you; right,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: Well, that's not a fair

	Page 186		Page 188
1	copy of the study, then we'll put it in front of him,	1	Q. Okay.
2	because that's not a fair analysis, particularly when	2	A. I mean, if this is a quiz about memorizing
3	you're talking about multiple more than 10 to 15	3	details of clinical studies, then
4	meta-analyses excuse me cohorts over time.	4	Q. I don't want it to be a quiz. Let me ask you
5	MR. ZELLERS: Counsel, I've asked you a	5	a new question.
6	number of times not to make speaking objections. All	6	If the meta-analyses are all combining the
7	that I am doing is asking the doctor questions about	7	same set of studies, you would expect them to yield
8	the studies included in the six meta-analyses and	8	similar results; correct?
9	pooled analysis that he sets out in a chart.	9	A. If they only contain the same set of studies
10	If he doesn't have the answer, my question	10	but each one had slightly different, and the more
11	is framed as to whether or not he has any reason to	11	recent ones added studies to them.
12	dispute or doubt the overlap of studies.	12	Q. Have you attempted to quantify how much
13	MS. O'DELL: Well, I would just say,	13	talcum powder reaches a woman's ovaries when they use
14	Dr. Clarke-Pearson, to the degree you remember, you	14	a talcum powder product?
15	can answer his questions. But, to the degree he asks	15	A. Have I done some experiment?
16	you to assume something, don't assume that what	16	Q. Yes.
17	counsel is stating is correct because it may or may	17	A. I know that talcum powder gets there; I have
18	not be true.	18	not done any experimentation to that question.
19	MR. ZELLERS: And I'm not asking the	19	Q. Do you have any were you finished?
20	doctor to assume.	20	A. Yes.
21	MS. O'DELL: Yes, you did.	21	MS. BOCKUS: Object as nonresponsive.
22	MR. ZELLERS: I did not ask him to	22	BY MR. ZELLERS:
23	assume, Counsel. You can go back and read the	23	Q. Do you have any idea how much talcum powder
24	question, but it did not ask him to assume that. It	24	reaches a woman's ovaries each time she uses it?
25	asked him if he was aware of there being any	25	A. I'm sure it varies depending upon the
	Page 187		Page 189
1	Page 187 difference in terms of Langseth including all but one	1	
1 2		1 2	Page 189 menstrual cycle, the age of the patient, the patient's anatomy.
	difference in terms of Langseth including all but one		menstrual cycle, the age of the patient, the patient's
2	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek	2	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to
2	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003.	2	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct?
2 3 4	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be	2 3 4 5 6	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form.
2 3 4 5	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason	2 3 4 5 6 7	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct?
2 3 4 5 6 7 8	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to"	2 3 4 5 6 7 8	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS:
2 3 4 5 6 7 8	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason	2 3 4 5 6 7 8	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on
2 3 4 5 6 7 8 9	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume.	2 3 4 5 6 7 8 9	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to?
2 3 4 5 6 7 8 9 10	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is	2 3 4 5 6 7 8 9 10	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking
2 3 4 5 6 7 8 9 10 11	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate.	2 3 4 5 6 7 8 9 10 11	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about?
2 3 4 5 6 7 8 9 10 11 12	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response.
2 3 4 5 6 7 8 9 10 11 12 13	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor?	2 3 4 5 6 7 8 9 10 11 12 13	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any	2 3 4 5 6 7 8 9 10 11 12 13 14	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what Q. That is not a comparison that you have made	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question. Q. Well, I need you to answer the question. The
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what Q. That is not a comparison that you have made personally; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question. Q. Well, I need you to answer the question. The answer is a yes to that question; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what Q. That is not a comparison that you have made personally; correct? A. I have not. And if I did, I can't remember	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question. Q. Well, I need you to answer the question. The answer is a yes to that question; correct? A. The dose is dependent upon how much talc gets
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	difference in terms of Langseth including all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: I stand corrected. You said "Do you have any reason to doubt or dispute," which I took to be MR. ZELLERS: "Do you have any reason to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what Q. That is not a comparison that you have made personally; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	menstrual cycle, the age of the patient, the patient's anatomy. Q. It's fair to say you don't know and have not done any type of calculation or experiment to determine the answer to that question; correct? MS. O'DELL: Object to the form. THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question. Q. Well, I need you to answer the question. The answer is a yes to that question; correct?

48 (Pages 186 to 189)

	Page 190		Page 192
1	Q. And you've not done a calculation or	1	that there is a dose response; is that right?
2	experiment to determine what that amount is; correct?	2	A. Yes.
3	A. That's correct.	3	Q. And, in fact, at least looking at Table 1 of
4	Q. All right.	4	the Cramer study, this does not show a dose response;
5	Let me mark Cramer 2016. We discussed it	5	correct?
6	earlier, but we'll mark it for the record. This is a	6	MS. O'DELL: Object to the form.
7	study that you cite in your materials. We'll mark it	7	THE WITNESS: So, going down that
8	as Exhibit 26.	8	table, there is more of a dose response as we get
9	(Exhibit No. 26 was marked for identification.)	9	under the second half of that table, toward "general
10	BY MR. ZELLERS:	10	tale applications."
11	Q. You recognize this paper; correct?	11	BY MR. ZELLERS:
12	A. I've reviewed it.	12	Q. There is not a consistent dose response;
13	Q. This is a retrospective case-control study	13	correct?
14	published in 2016; correct?	14	A. Not a consistent.
15	A. Yes.	15	Q. Yes. I mean, you get a statistically
16	Q. You discuss this study in your report on	16	significant finding and then a period of time where
17	page 9; is that right?	17	there's not a statistically significant finding and
18	A. Let me turn to page 9.	18	then another period of time where there is a
19	Q. Sure. I'm looking under "Biologic	19	statistically significant finding; is that right?
20	Gradient/Dose-response" right in the middle.	20	MS. O'DELL: Object to the form.
21	You claim that (as read):	21	THE WITNESS: As I read through the
22	"A number of studies have	22	second half of this table, there's a consistent
23	demonstrated an association	23	statistically significant finding beginning after less
24	between 'dose' and the occurrence	24	than 360 applications, equivalent to one year of daily
25	of EOC [or epithelial ovarian	25	use.
	Page 191		Page 193
1	Page 191 cancer] (response)."	1	Page 193 BY MR. ZELLERS:
1 2		1 2	_
	cancer] (response)."		BY MR. ZELLERS:
2	cancer] (response)." Is that right?	2	BY MR. ZELLERS: Q. Well, when you review, you consider all of
2 3	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you	2	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct?
2 3 4	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows.	2 3 4	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes.
2 3 4 5	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you	2 3 4 5	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with
2 3 4 5 6 7 8	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir.	2 3 4 5 6	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of
2 3 4 5 6 7	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for	2 3 4 5 6 7	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how
2 3 4 5 6 7 8	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right?
2 3 4 5 6 7 8 9	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two — the two vary, depending upon how you quantitate dose.
2 3 4 5 6 7 8 9	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill
2 3 4 5 6 7 8 9 10 11 12	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes.	2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for	2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right?	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the	2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two — the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two — the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure? A. In general, you would think that. But, on	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure? A. In general, you would think that. But, on the other hand, maybe we don't have to have a dose	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer. BY MR. ZELLERS: Q. Do you defer to other experts on the topic of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time — 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure? A. In general, you would think that. But, on	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer. BY MR. ZELLERS:

Page 194 Page 196 cancer have different biological mechanisms; correct? 1 this disease of ovarian cancer caused by talcum 1 2 powder, inflammation is the most likely cause. 2 A. Again, I'm not sure what you mean by 3 3 Q. And do you consider yourself to be an expert "biological mechanism." 4 on the topic of biologic plausibility as it relates to 4 Q. You're not familiar with biological 5 talcum powder and ovarian cancer? 5 mechanisms that cause ovarian cancer? 6 6 MS. O'DELL: Objection to form. Asked A. The biological mechanism that I've been 7 and answered. 7 trying to explain to you is gene mutation. 8 THE WITNESS: I think I have a very 8 Q. That's the only biological mechanism that 9 9 good understanding of that, and I'm not sure how you causes ovarian cancer, in your experience; is that 10 10 define an expert. right? 11 BY MR. ZELLERS: 11 A. You're talking about what causes ovarian 12 Q. Is all epithelial ovarian cancer caused by 12 cancer, not the mechanism that becomes ovarian cancer 13 the same mechanism? 13 or what ovarian cancer represents. 14 14 A. I don't think so. Q. I'm asking you the mechanism that causes 15 Q. You stated before that there are different 15 ovarian cancer. And you have told me that, with talcum powder, it is gene mutation; is that right? 16 16 mechanisms; is that right? 17 MS. O'DELL: Object to the form. 17 A. I said -- yes. THE WITNESS: As it is for all cancers. 18 Q. What is the biologic mechanism for serous 18 19 19 ovarian cancer? As it is for all ovarian cancers. 20 A. There could be several biological mechanisms 20 BY MR. ZELLERS: 21 for any of the ovarian cancers. 21 Q. If talc is associated with all subtypes of 22 Q. Well, what biologic mechanisms are there, 22 epithelial ovarian cancer or with different subtypes 23 based upon your experience, for serous cancer --23 in different studies, doesn't that suggest that the 24 ovarian cancer? 24 association is by chance? 25 25 A. One of the biologic mechanisms are BRCA1 to 2 MS. O'DELL: Object to the form. Page 195 Page 197 1 1 mutations. And, as I discussed previously, all THE WITNESS: So no carcinogen is going 2 2 cancers are caused by mutations of genes that regulate to cause cancer in every circumstance in every 3 cell growth and result in invasion and metastases. 3 patient. Some patients may be more susceptible to a 4 Q. Any others? 4 carcinogen; others may be more resistant. 5 A. Anything else beside gene mutations? 5 Women with BRCA1 mutations don't always 6 Q. Gene mutations, yes, for serous ovarian 6 develop ovarian cancer, but they are at much higher 7 7 cancer. risk. It usually causes -- it requires a number of 8 A. There are always gene mutations causing the 8 mutations before a malignancy occurs, not just one. 9 cancer. And, therefore, if you're just specifically 9 BY MR. ZELLERS: 10 talking about serous cancers, then gene mutations for 10 Q. You would agree that different studies have 11 all serous cancers occur. They are not normal cells. 11 found different associations between talcum powder use 12 Q. Does talcum powder increase all subtypes of 12 and different types of epithelial ovarian cancer; is 13 ovarian cancer? 13 that right? 14 MS. O'DELL: Objection. Asked and 14 A. The -- yes, and because possibly many of 15 answered. 15 those rare cancers, like mucinous cancers and clear 16 THE WITNESS: I think the epidemiologic 16 cell cancers, are not -- the studies aren't powered to 17 data would suggest that serous cancers are the most 17 identify those. So we don't know, I guess would be my 18 common but endometrioid are there. 18 answer. 19 And the other study -- other types of 19 Q. Putting aside inhalation for the moment, your 20 epithelial ovarian cancers -- clear cell and 20 opinion is that talcum powder travels from the 21 mucinous -- are so infrequent -- they're rare cancers. 21 perineal region to the ovaries through the woman's 22 And, therefore, we don't have statistical power to 22 reproductive tract; is that right? 23 decide whether they're caused by talc or not. 23 A. Yes, sir. 24 BY MR. ZELLERS: 24 Q. So the talcum powder must travel across the 25 Q. Different subtypes of epithelial ovarian 25 vulva, through the labia majora, through the labia

50 (Pages 194 to 197)

	Page 198		Page 200
1	minora, across the and clitoris, across the	1	Q. And my question to you is
2	perineal body, up into the vagina, into the cervical	2	MS. O'DELL: I think he was finished
3	canal, through the cervix and cervical mucosa, or	3	he wasn't finished.
4	mucus, into the endometrial cavity, through the	4	THE WITNESS: I was going to read this
5	uterus, into the fallopian tube opening, across the	5	to you from Langseth. And the sentence says
6	entire length of the fallopian tube to the fimbria,	6	(as read):
7	and then into the ovary; is that right?	7	"The evidence of talc migrating to
8	A. Yes, sir.	8	the ovaries lends credibility to
9	Q. If talcum powder can make this migration, can	9	such a possible association."
10	other substances also make the same migration?	10	BY MR. ZELLERS:
11	A. I presume so.	11	Q. Can you answer my question?
12	Q. Sand from the beach?	12	A. I was reporting to you a study.
13	A. I think the particle size may have some	13	Q. I need you to answer my question if you can.
14	bearing on how far it can get up the reproductive	14	A. Okay.
15	tract.	15	Q. I'll ask it again.
16	Q. Toilet paper particles?	16	Is there any human study that demonstrates
17	MS. O'DELL: Object to the form.	17	the migration of any particulate and let me
18	THE WITNESS: Again, depends upon the	18	withdraw that, because I think I moved on to the next
19	particle size.	19	question.
20	BY MR. ZELLERS:	20	None of the articles that you cite actually
21	Q. There is no human study that demonstrates the	21	looked at whether talc can migrate from the perineal
22	migration of any particulate matter from the perineum	22	application through the fallopian tubes to the
23	to the ovaries; correct?	23	ovaries; correct?
24	MS. O'DELL: Object to the form.	24	MS. O'DELL: Object to the form.
25	THE WITNESS: Number of studies that	25	THE WITNESS: That's correct.
	Page 199		Page 201
1	show that once it's in the vagina, it can migrate		
2		1	BY MR. ZELLERS:
	BY MR. ZELLERS:	1 2	
3			Q. All right. You also cannot cite any article
	BY MR. ZELLERS:	2	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere
3	BY MR. ZELLERS: Q. There is	2	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of
3 4	BY MR. ZELLERS: Q. There is A to the ovary.	2 3 4	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you?
3 4 5	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct.	2 3 4 5	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of
3 4 5 6	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the	2 3 4 5 6	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form.
3 4 5 6 7	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum	2 3 4 5 6 7	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS:
3 4 5 6 7 8	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct?	2 3 4 5 6 7 8	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No.
3 4 5 6 7 8 9	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration.
3 4 5 6 7 8 9	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS:	2 3 4 5 6 7 8 9	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in
3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report	2 3 4 5 6 7 8 9 10	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me.
3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from	2 3 4 5 6 7 8 9 10 11	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay.
3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to	2 3 4 5 6 7 8 9 10 11 12 13	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry.
3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. There is — A. — to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. There is — A. — to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. There is — A. — to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full paragraph I'm sorry. I've got your exhibit.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full paragraph I'm sorry. I've got your exhibit. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it. MS. O'DELL: Object to form. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full paragraph I'm sorry. I've got your exhibit.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it. MS. O'DELL: Object to form. BY MR. ZELLERS: Q. Sperm have tails and motility; is that right?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full paragraph I'm sorry. I've got your exhibit. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it. MS. O'DELL: Object to form. BY MR. ZELLERS:

51 (Pages 198 to 201)

	Page 202		Page 204
1	A. They can.	1	heads tilted downward is a very is very different
2	Q. You cite Egli, 1961, the carbon particle	2	from the way in which women generally apply talcum
3	study. Are you familiar with that, or do you need me	3	powder to their perineal region?
4	to hand you another copy?	4	A. Honestly, I don't know how they apply talcum
5	A. I've reviewed it before. It's been a little	5	powder to their perineal region. I would imagine
6	while.	6	they're not with their head down, but they may be
7	Q. Well, let me ask you a couple of questions.	7	sitting, they may be standing, they may be lying.
8	A. Sure.	8	Q. Based upon your experience, it's different;
9	Q. And if you need the study, then I'll be happy	9	correct?
10	to have you take a look at it.	10	A. I don't have any experience with talcum
11	Egli did not involve talcum powder; correct?	11	powder application.
12	A. No. These are carbon particles.	12	Q. Right. So you don't know whether or not most
13	Q. Egli used carbon particles that were	13	women apply talcum powder to their perineal region
14	suspended in a solution that had the consistency of	14	with their head toward the ground and their legs up in
15	seminal fluid; is that right?	15	the air?
16	MS. O'DELL: If you need to take a	16	MS. O'DELL: Object to the form.
17	moment to review, Doctor, feel free to do that.	17	THE WITNESS: I think it's unlikely
18	THE WITNESS: They were suspended in	18	that they have their heads to the ground and legs in
19	dextran suspension.	19	the air, but they have probably multiple positions
20	BY MR. ZELLERS:	20	they could apply it in.
21	Q. Is that seminal fluid, fluid that sperm are	21	BY MR. ZELLERS:
22	suspended in?	22	Q. Even with these artificial conditions, the
23	A. No.	23	researchers only found carbon particles in the
24	Q. What solution were they suspended in?	24	fallopian tubes of two of the three women; is that
25	A. Dextran.	25	right?
1	Page 203 Q. What support do you have for the proposition	1	Page 205 A. I think that's what the results said.
2	that talcum powder behaves similarly to carbon	2	Q. Are you familiar with the Venter 1979 study
3	particles suspended in a dextran fluid-like substance?	3	that you cite?
4	A. I think it's very similar to talcum powder	4	A. I'll have to pull it back out to refresh my
5	particles progressing up. Dextran is a thick,	5	memory. It's been a few months since I looked at
6	glucose-rich medium that is much like vaginal fluid,	6	that.
7	if you will.	7	Q. Well, can I ask you a few questions about it?
8	Q. It's a fluid; right?	8	A. If I can answer them, I will. Sure.
9	A Vos		
	A. Yes.	9	Q. Is this the radioactive marker study?
10	Q. Talcum powder is a particle; correct?	10	Q. Is this the radioactive marker study?A. Yes.
10 11	Q. Talcum powder is a particle; correct?A. Once talcum powder gets into the vagina, it	10	Q. Is this the radioactive marker study?A. Yes.Q. That study did not involve talcum powder; it
10 11 12	Q. Talcum powder is a particle; correct?A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid.	10 11 12	Q. Is this the radioactive marker study?A. Yes.Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is
10 11 12 13	Q. Talcum powder is a particle; correct?A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid.Q. The Egli study involved three women; is that	10 11 12 13	Q. Is this the radioactive marker study?A. Yes.Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right?
10 11 12 13 14	Q. Talcum powder is a particle; correct?A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid.Q. The Egli study involved three women; is that right?	10 11 12 13 14	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres.
10 11 12 13 14 15	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. 	10 11 12 13 14 15	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition
10 11 12 13 14 15	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? 	10 11 12 13 14 15 16	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of
10 11 12 13 14 15 16 17	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. 	10 11 12 13 14 15 16 17	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle?
10 11 12 13 14 15 16 17	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the 	10 11 12 13 14 15 16 17 18	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle? A. I think that talcum powder is similar to
10 11 12 13 14 15 16 17 18	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? 	10 11 12 13 14 15 16 17 18	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle? A. I think that talcum powder is similar to these particles. It's small and can migrate.
10 11 12 13 14 15 16 17 18 19	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. It stimulated the uterus to contract. 	10 11 12 13 14 15 16 17 18 19 20	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle? A. I think that talcum powder is similar to these particles. It's small and can migrate. Q. In the study it involved a small sample size;
10 11 12 13 14 15 16 17 18 19 20 21	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. It stimulated the uterus to contract. Q. And for the administration of the carbon 	10 11 12 13 14 15 16 17 18 19 20 21	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle? A. I think that talcum powder is similar to these particles. It's small and can migrate. Q. In the study it involved a small sample size; right? Only 24 women?
10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. It stimulated the uterus to contract. Q. And for the administration of the carbon particles, the women were laying on their backs with 	10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle? A. I think that talcum powder is similar to these particles. It's small and can migrate. Q. In the study it involved a small sample size; right? Only 24 women? MS. O'DELL: Object to the form.
10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. It stimulated the uterus to contract. Q. And for the administration of the carbon particles, the women were laying on their backs with their heads tilted at a downward angle; is that right? 	10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle? A. I think that talcum powder is similar to these particles. It's small and can migrate. Q. In the study it involved a small sample size; right? Only 24 women? MS. O'DELL: Object to the form. THE WITNESS: Yes.
10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Talcum powder is a particle; correct? A. Once talcum powder gets into the vagina, it becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. It stimulated the uterus to contract. Q. And for the administration of the carbon particles, the women were laying on their backs with 	10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Is this the radioactive marker study? A. Yes. Q. That study did not involve talcum powder; it involved a particle with a radioactive tracer. Is that right? A. Yes. Technetium albumin in microspheres. Q. What support do you have for the proposition that talcum powder behaves similarly to this kind of particle? A. I think that talcum powder is similar to these particles. It's small and can migrate. Q. In the study it involved a small sample size; right? Only 24 women? MS. O'DELL: Object to the form.

	Page 206		Page 208
1	buttocks elevated; is that right?	1	A. I did.
2	A. When it was applied, and then the patients	2	Q. That study did not involve talcum powder; it
3	didn't undergo surgery until the next day. So the	3	involved starch. Is that right?
4	patients, after being in the position where the	4	A. Yes.
5	talc where the radioactive tracer was applied, were	5	Q. Sjosten involved the researchers examining
6	then up and about until they came in for surgery the	6	the women's cervix with their fingers; is that right?
7	next day. So they were in different positions.	7	Are you able to answer that question?
8	Q. Is that really what you think, based upon	8	A. I need to read along with you.
9	your review of the study?	9	So they examined they did a pelvic exam,
10	A. You don't think that the patient was laying	10	a bimanual exam on the patients.
11	in bed for 24 hours until she had surgery?	11	Q. Examining the women's cervix with their
12	Q. Doctor, your recollection of this study is	12	fingers; is that correct?
13	that the radioactive tracer marker was used and then	13	A. And examining the vagina.
14	the women were up and around?	14	Q. What is your basis for saying that pressing
15	MS. O'DELL: Object to the form.	15	gloved fingers against the cervix is comparable to an
16	BY MR. ZELLERS:	16	external dusting of talcum powder?
17	Q. In fact, after the radioactive marker was	17	MS. O'DELL: Object to form.
18	administered, the women remained laying in the	18	THE WITNESS: I think it deposits the
19	position with their on their backs with their	19	substance, the powder, against the cervix.
20	buttocks elevated for two hours, with their legs	20	BY MR. ZELLERS:
21	pressed together; is that right?	21	Q. And the study found particles in the
22	A. I would have to find it to refresh my memory.	22	reproductive tract of women who were examined with
23	Q. If that's true, that would be different than	23	powder-free gloves; is that right?
24	your understanding of how women use talcum powder in	24	A. I believe so.
25	the genital area; correct?	25	Q. You cite the Heller study of women's ovaries
			<u> </u>
	Page 207		Page 209
1	MS. O'DELL: Objection. Misstates the	1	after surgical oophorectomy; is that right?
2	doctor's testimony.	2	A. Yes.
3	If you need to review	3	Q. Didn't Heller find talc in tissues of all 24
4	THE WITNESS: Again, I don't think that	4	patients, including the 12 who did not use perineal
5	we know I know how women apply talcum powder. But	5	talc?
6	these women didn't lay supine for 24 hours until they	6	A. Give me a moment.
7	had their surgery, when they found the radioactive	7	Q. Let me try to ask it this way so that we can
8	microspheres in the ovary.	8	move on.
9	BY MR. ZELLERS:	9	Do you have any reason to dispute that
		1 1	Do you have any reason to dispute that
10	Q. Do you know whether or not they laid supine	10	Heller found talc in tissues of all 24 patients,
	Q. Do you know whether or not they laid supine for two hours after the radioactive marker was	11	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc?
10	Q. Do you know whether or not they laid supine	11 12	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form.
10 11	Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes.	11 12 13	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's
10 11 12	Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together?A. Yes.Q. Yes, you agree with that; correct?	11 12 13 14	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias.
10 11 12 13	 Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. 	11 12 13 14 15	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS:
10 11 12 13 14	 Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, 	11 12 13 14 15 16	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal
10 11 12 13 14	 Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. 	11 12 13 14 15 16 17	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be
10 11 12 13 14 15	 Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, 	11 12 13 14 15 16 17 18	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar,
10 11 12 13 14 15 16	 Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the 	11 12 13 14 15 16 17 18 19	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are
10 11 12 13 14 15 16 17	 Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is 	11 12 13 14 15 16 17 18 19 20	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure?
10 11 12 13 14 15 16 17 18	Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right?	11 12 13 14 15 16 17 18 19 20 21	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form.
10 11 12 13 14 15 16 17 18	Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form.	11 12 13 14 15 16 17 18 19 20 21 22	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what the
10 11 12 13 14 15 16 17 18 19 20 21	Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they reported	11 12 13 14 15 16 17 18 19 20 21 22 23	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what the basis of that observation is. The urethra and anus
10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they reported in 24 hours.	11 12 13 14 15 16 17 18 19 20 21 22	Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what the

53 (Pages 206 to 209)

Page 210 Page 212 1 BY MR. ZELLERS: 1 MS. O'DELL: Object to the form. 2 Q. So you -- I just want to make sure I'm clear. 2 THE WITNESS: Because the ovary has a 3 You disagree that -- if talcum powder migrates from 3 different epithelium, a different surface. The 4 the perineal region to the ovaries, you disagree that 4 vagina -- I'm sorry -- the vulva, vagina, and 5 5 exposure to talc would be greater in concentration in exocervix are all squamous epithelium. They are much 6 the rectal, vulvar, vaginal, cervical, and uterine 6 more susceptible to HPV. So I can turn around the 7 tissues; correct? 7 explanation and say HPV doesn't infect the 8 8 MS. O'DELL: Objection. Asked and endometrium -- the uterus, fallopian tubes, or 9 9 ovaries. So some tissues are more susceptible to a answered. 10 10 THE WITNESS: I'm not understanding carcinogen than others. 11 your question. Would be greater where? BY MR. ZELLERS: 11 12 BY MR. ZELLERS: 12 Q. What study are you referring to for that 13 Q. Would be greater in the rectal, vulvar, 13 proposition? 14 14 vaginal, cervical, and uterine tissues than in the A. About HPV? 15 15 Q. No. About the tissue being the same -ovaries. 16 MS. O'DELL: Objection. Asked and 16 strike that. 17 17 answered. Tissue being different and not susceptible 18 THE WITNESS: I don't have any evidence 18 to inflammation from talc in the human vulvar, 19 about the rectum or the urethra. And it would be --19 vaginal, cervical, and uterine tissues. 20 yes, more likely than not, there would be more on the 20 MS. O'DELL: Object to the form. 21 vulva than on the ovaries. All of it that goes on the 21 THE WITNESS: They are all different 22 vulva does not land on the ovaries. 22 tissues, and we have not seen any inflammation or 23 BY MR. ZELLERS: 23 cancer associated with talcum powder in those organs. 24 Q. Talc particles should be causing inflammation 24 BY MR. ZELLERS: 25 25 in all those organs and areas if your theory is Q. Is there a study that you're referring to Page 211 Page 213 1 correct; is that right? 1 that finds that there is not inflammation from talc to 2 2 A. No. those tissues? 3 MS. O'DELL: Object to the form. 3 MS. O'DELL: Object to the form. THE WITNESS: I don't have a study, 4 BY MR. ZELLERS: 4 5 but, obviously, it's not associated with cancers of Q. Why would you not expect inflammation in the 5 rectal, vulvar, vaginal, cervical, and uterine 6 6 those tissues. 7 7 tissues? BY MR. ZELLERS: 8 MS. O'DELL: Object to the form. 8 Q. There are no studies that show inflammation 9 THE WITNESS: So there's no -- no 9 as a result of genital talc use result in cancer in 10 10 evidence that this talc gets into the rectum that I'm those areas; is that right? 11 aware of, unless you have some evidence that I'm not 11 MS. O'DELL: Objection to form. 12 seeing. 12 THE WITNESS: In what areas now are you 13 BY MR. ZELLERS: 13 talking about? 14 Q. Why do talc particles not cause inflammation 14 BY MR. ZELLERS: 15 in the other organs and areas? 15 Q. Let me make it even simpler. 16 A. I think the other organs -- the vagina, 16 There's no studies that show inflammation as 17 cervix, uterus, and fallopian tubes -- are different 17 a result of genital talc use in the vulvar, vaginal, 18 tissues; and different tissues have different 18 cervical, and uterine areas; is that right? 19 susceptibility, if you will, to the impact of talcum 19 A. That's correct. 2.0 powder and its contents. 20 MS. O'DELL: Object to the form. 21 Q. What is it about the tissues of the vulvar, 21 BY MR. ZELLERS: 22 vaginal, cervical, and uterine areas that would result 22 Q. There are no studies that show a link between 23 in talc not causing inflammation to those tissues but 23 external genital talc use and rectal, vulvar, vaginal, causing, at least under your theory, inflammation to 24 24 cervical, or uterine cancer; is that right? 25 25 the ovary? A. That's correct.

54 (Pages 210 to 213)

	Page 214		Page 216
1	Q. In Exhibit B of your report, you include a	1	perineal region and travels to the cervix compared to
2	study published by Huncharek in 2007. That's page 11.	2	when it is applied directly to the cervix?
3	Do you recall that study?	3	MS. O'DELL: Object to the form.
4	A. No, but I'd like to refresh my memory.	4	THE WITNESS: I'm not aware of any
5	MS. O'DELL: Which Huncharek?	5	study, no.
6	MR. ZELLERS: 2007.	6	BY MR. ZELLERS:
7	BY MR. ZELLERS:	7	Q. When applied to the perineal region, the
8	Q. Do you have that easily available?	8	talcum powder would also be in close contact with a
9	This is a study that you cite in your	9	woman's urethra; correct?
10	materials reviewed; is that right?	10	A. Yes.
11	A. Yes.	11	Q. Substances are capable of traveling up the
12	Q. It's a meta-analysis of studies and the	12	urethra; right?
13	relationship between ovarian cancer and using	13	A. Not that I know of, except for bacteria.
14	diaphragms that are dusted with talcum powder; is that	14	Q. Women get urinary tract infections when
15	right?	15	bacteria travels up the urethra; right?
16	A. Yes.	16	A. I recognize that as a modal motile, like
17	Q. A diaphragm is inserted directly onto a	17	sperm and bacteria, when I discuss lower genital trac
18	woman's cervix; is that right?	18	migration from the vagina up into the tubes and
19	A. Yes.	19	ovaries with sperm and sexually transmitted infection
20	Q. You did not include Huncharek 2007 in your	20	So, yes, women get urinary tract infections.
21	list of meta-analyses regarding talc and ovarian	21	Q. Studies do not show an increase in bladder
22	cancer on page 7 of your report, did you?	22	cancer with talcum powder use; is that right?
23	MS. O'DELL: Object to the form.	23	A. That's right. The bladder is a different
24	THE WITNESS: No, because it wasn't	24	epithelium than the ovary.
25	dealing with applying talcum powder to the vulva,	25	Q. And studies do not show an increase in rectal
	Page 215		Page 217
1		1	
1 2	Page 215 perineum. BY MR. ZELLERS:	1 2	Page 21' cancer with talcum powder use; is that right? A. That's correct.
	perineum.		cancer with talcum powder use; is that right?
2	perineum. BY MR. ZELLERS:	2	cancer with talcum powder use; is that right? A. That's correct.
2	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation,	2 3	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and
2 3 4	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal	2 3 4	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered.
2 3 4 5	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through	2 3 4 5	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a
2 3 4 5 6	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that	2 3 4 5 6	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a
2 3 4 5 6 7	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data	2 3 4 5 6 7 8	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that
2 3 4 5 6 7 8	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and	2 3 4 5 6 7 8	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that?
2 3 4 5 6 7 8 9 10	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix?	2 3 4 5 6 7 8 9 10	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer.
2 3 4 5 6 7 8 9	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and	2 3 4 5 6 7 8 9	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is
2 3 4 5 6 7 8 9 10 11 12 13	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the	2 3 4 5 6 7 8 9 10 11 12 13	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report.
2 3 4 5 6 7 8 9 10 11 12 13 14	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva.	2 3 4 5 6 7 8 9 10 11 12 13 14	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling.
2 3 4 5 6 7 8 9 10 11 12 13 14	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms	2 3 4 5 6 7 8 9 10 11 12 13 14 15	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with
2 3 4 5 6 7 8 9 10 11 12 13 14 15	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement? A. My clinical experience of understanding the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel? BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement? A. My clinical experience of understanding the sexual lives of women. They don't use diaphragms	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel? BY MR. ZELLERS: Q. Do you have the Steiling paper in front of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement? A. My clinical experience of understanding the sexual lives of women. They don't use diaphragms every day, in most cases.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel? BY MR. ZELLERS: Q. Do you have the Steiling paper in front of you?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement? A. My clinical experience of understanding the sexual lives of women. They don't use diaphragms	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel? BY MR. ZELLERS: Q. Do you have the Steiling paper in front of

l	Page 218		Page 220
1	please, if you don't mind. Thank you.	1	MS. O'DELL: Object to the form.
2	Are you going to mark that, Mike, or are	2	BY MR. ZELLERS:
3	you	3	Q. I'll withdraw the question and move on.
4	MR. ZELLERS: If you want me to mark	4	Do you agree well, strike that.
5	it, I can. I think we all know what it is.	5	You assert that talcum powder, when it
6	MS. O'DELL: I'm just asking.	6	reaches the ovaries, it elicits an inflammatory
7	MR. ZELLERS: Would you like it marked?	7	response that is linked to ovarian cancer; is that
8	MS. O'DELL: Only if you were going to	8	right?
9	mark it, I was just going to put a number on it.	9	A. Yes. I think that's the mechanism by which
10	MR. ZELLERS: Well, I just have a few	10	gene mutation occurs.
11	basic questions.	11	Q. Is it your opinion strike that.
12	BY MR. ZELLERS:	12	Is your opinion related to all of the
13	Q. So, Doctor, my first question is the Steiling	13	different histologic types of epithelial ovarian
14	2018 deals generally with cosmetic powders, not talcum	14	cancer?
15	powder specifically; is that right?	15	MS. O'DELL: Objection. Asked and
16	A. Apparently so, yes.	16	answered.
17	Q. And Steiling 2018 just discusses the fact	17	THE WITNESS: I think an inflammatory
18	that particles can be inhaled; is that right?	18	response happens on the ovarian epithelium, and some
19	A. Yes.	19	ovarian cancers some epithelial ovarian cancers are
20	MS. O'DELL: Object to the form.	20	more common, serous carcinoma being the most common.
21	BY MR. ZELLERS:	21	BY MR. ZELLERS:
22	Q. It says nothing about inhaled particles	22	Q. Is it your opinion that inflammation is a
23	migrating to the ovaries, does it?	23	cause of clear cell and mucinous ovarian cancer? Or
24	A. No.	24	do you not have an opinion?
25	Q. In fact, it says nothing about inhaled	25	A. I don't have an opinion.
	Page 219		Page 221
1	particles migrating anywhere, does it?	1	Q. You have not done an expert review of the
2	MS. O'DELL: Objection.	2	inflammation evidence yourself, have you?
3	THE WITNESS: It doesn't talk about	3	MS. O'DELL: Object to the form.
4	migration. You're right.	4	THE WITNESS: I'm aware of I've done
5	BY MR. ZELLERS:		
	DI WIK. ZEELEKS.	5	a review and have been aware of inflammation in
6	Q. And it also says nothing about inhaled	5 6	
6 7			a review and have been aware of inflammation in gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and
	Q. And it also says nothing about inhaled	6	gynecologic cancers, especially ovarian cancer, with
7	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right?	6 7	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that
7 8	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right?A. In this particular study, although we know	6 7 8	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done.
7 8 9	 Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between 	6 7 8 9	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that
7 8 9 10	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right?A. In this particular study, although we know from asbestos studies that it does.Q. Well, don't studies of talcum powder use fail	6 7 8 9	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS:
7 8 9 10 11 12	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so.	6 7 8 9 10 11	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory
7 8 9 10 11 12 13	 Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, 	6 7 8 9 10 11 12	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct?
7 8 9 10 11 12 13 14	 Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer 	6 7 8 9 10 11 12 13	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes.
7 8 9 10 11 12 13 14 15	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder?	6 7 8 9 10 11 12 13 14	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory
7 8 9 10 11 12 13 14 15 16	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form.	6 7 8 9 10 11 12 13 14	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may
7 8 9 10 11 12 13 14 15 16 17	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled.	6 7 8 9 10 11 12 13 14 15	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may have that don't lead to cancer, such as rheumatoid
7 8 9 10 11 12 13 14 15 16 17 18	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date,	6 7 8 9 10 11 12 13 14 15 16	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may have that don't lead to cancer, such as rheumatoid arthritis; is that right?
7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer.	6 7 8 9 10 11 12 13 14 15 16 17	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may have that don't lead to cancer, such as rheumatoid arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS:	6 7 8 9 10 11 12 13 14 15 16 17 18	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may have that don't lead to cancer, such as rheumatoid arthritis; is that right? A. That's, best as I understand, rheumatoid
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS: Q. With inhaled talcum powder; correct?	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may have that don't lead to cancer, such as rheumatoid arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right?
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS: Q. With inhaled talcum powder; correct? A. With inhaled talcum powder.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may have that don't lead to cancer, such as rheumatoid arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right? A. Yes.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. And it also says nothing about inhaled particles causing ovarian cancer; is that right? A. In this particular study, although we know from asbestos studies that it does. Q. Well, don't studies of talcum powder use fail to show statistically significant association between nongenital use of talcum powder and ovarian cancer? A. I believe so. Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS: Q. With inhaled talcum powder; correct?	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	gynecologic cancers, especially ovarian cancer, with elevated serum biomarkers suggesting inflammation and also more biologic the laboratory work that Dr. Saed and others have done. BY MR. ZELLERS: Q. You do know that not all inflammatory conditions lead to cancer; correct? A. Yes. Q. There's conditions that are inflammatory reactions that all of us may have or that folks may have that don't lead to cancer, such as rheumatoid arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right? A. Yes. Q. Those are chronic inflammatory diseases;

1 2 3			Page 224
3	inflammatory disease of the skin?	1	A. We don't know that information.
	A. It can have in joints. There can be a	2	Q. Do you consider cornstarch to be a talcum
1	skin component to rheumatoid arthritis. I thought you	3	powder product that causes inflammation?
4	were talking about psoriasis.	4	MS. O'DELL: Object to the form.
5	Q. How does an acute inflammatory response lead	5	THE WITNESS: It's not a talcum powder
6	to cancer?	6	product.
7	A. An acute inflammatory response, I don't	7	BY MR. ZELLERS:
8	believe, leads to cancer.	8	Q. What about a product like Shower to Shower,
9	Q. You have well, strike that.	9	which contains cornstarch and talcum powder?
10	On page 9 of your report, you conclude that	10	A. And your question is?
11	(as read):	11	Q. My question is, is there a certain amount of
12	"Talcum powder products is a	12	talcum powder that a product must contain to cause
13	causative factor in the	13	inflammation?
14	development of epithelial ovarian	14	A. Not that we're aware of.
15	cancer."	15	Q. 1 percent talcum powder, 99 percent
16	Is that right?	16	cornstarch, that could cause inflammation resulting in
17	A. Yes.	17	epithelial ovarian cancer. Is that your testimony?
18	Q. We can change that now based upon your	18	A. I think that's possible.
19	testimony that talcum powder products is a causative	19	Q. What methodology have you arrived strike
20	factor in the development of serous ovarian cancer;	20	that.
21	correct?	21	What methodology have you employed to arrive
22	MS. O'DELL: Object to the form.	22	at the conclusion that the Shower to Shower product
23	THE WITNESS: I think I would stay with	23	causes inflammation?
24	epithelial ovarian cancer till we have more data.	24	A. It has talcum powder in it.
25		25	Q. Your opinion that talcum powder products
	Page 223		Page 225
1	BY MR. ZELLERS:	1	cause inflammation is not based on the determination
2	Q. How do you define the term "talcum powder	2	that there is a threshold amount of talcum powder that
3	products"?	3	is required to be in the product before you can
4	A. Talcum powder products are Johnson's baby	4	conclude that the product will cause chronic
5	powder and Shower to Shower.	5	inflammation; correct?
6	Q. Are other consumer talcum powder products	6	MS. O'DELL: Object to the form.
7	included in your conclusions?	7	THE WITNESS: I think there's no
8	A. Yes, but Johnson & Johnson has the market	8	threshold amount that below which the patient
9	share, as I understand it.	9	that's exposed to talcum powder is safe.
10	Q. Do you understand that some of the talc	10	BY MR. ZELLERS:
11	epidemiology separates use by type of talcum powder	11	Q. Is there a study that you can cite me to for
12	product?	12	that proposition?
13	MS. O'DELL: Object to the form.	13	A. No, except that, overall, women that have
14	THE WITNESS: I'm not sure what you	14	been exposed to talcum powder in the perineum have an
15	mean by type of talcum powder.	15	increased risk of ovarian cancer. And we don't know
16	BY MR. ZELLERS:	16	the quantity in each individual patient. So some
	Q. Do you include talc-containing deodorizing	17	patients may have had a small amount and developed
17	sprays in your definition of talcum powder products?	18	ovarian cancer, unfortunately.
18	THE WITNESS: No. We've been talking	19	Q. If inflammation is the issue, why would
18		20	cornstarch be a superior alternative to talc?
18 19	today, I thought, about Johnson as you defined it		
18	today, I thought, about Johnson as you defined it to start the day as Johnson & Johnson baby powder and	21	-
18 19 20 21	to start the day as Johnson & Johnson baby powder and	21	A. Because I don't believe cornstarch causes
18 19 20 21 22	to start the day as Johnson & Johnson baby powder and Shower to Shower.	21 22	A. Because I don't believe cornstarch causes chronic inflammation. It's absorbed by the body.
18 19 20 21	to start the day as Johnson & Johnson baby powder and	21	A. Because I don't believe cornstarch causes

57 (Pages 222 to 225)

	Page 226		Page 228
1	cornstarch on surgical gloves because of the risk of	1	A. That's about the only thing that I can
2	inflammation, granulomas, fibrosis, adhesions, and	2	determine with my naked eye as to what looks like
3	irritation?	3	inflammation.
4	A. Yes, because that was causing an acute	4	Q. You see that in some patients but not all
5	inflammation, not a chronic inflammation.	5	patients with ovarian cancer; correct?
6	Q. Are you aware, though, that that was the	6	A. That's true. That's not the only thing that
7	reason the FDA banned the use of cornstarch on	7	is related to inflammation.
8	surgical gloves?	8	Q. For your patients with a nonendometrioid
9	A. They were trying to stop adhesion formation	9	ovarian cancer, has microscopic examination of their
10	after surgery.	10	tissues shown evidence of activation of an
11	Q. So you are aware of that; is that right?	11	inflammatory cascade?
12	A. Yes. When I was coming up, we had to wash	12	MS. O'DELL: Object to the form.
13	our gloves before we operated, for that reason.	13	THE WITNESS: I don't think that
14	Q. How many patients with ovarian cancer have	14	pathologists look at that. And I'm not sure exactly
15	you operated on over the course of your career?	15	what you would identify histologically in an
16	A. I would say probably 30 women a year over 40	16	inflammatory cascade. I described to you lymphocytes,
17	years.	17	for example, that represent inflammation.
18	Q. For those patients that had nonendometrioid	18	BY MR. ZELLERS:
19	ovarian cancer, have you seen evidence of inflammation	19	Q. Has it shown evidence of granulomas?
20	when you operated?	20	A. No.
21	MS. O'DELL: Object to the form.	21	MS. O'DELL: Object to the form.
22	THE WITNESS: When I operated,	22	BY MR. ZELLERS:
23	75 percent of these patients have cancer all over	23	Q. Has it shown evidence of foreign body or
24	their abdominal and peritoneal cavity, and identifying	24	giant cell reactions?
25	inflammation visually from the cancer is something a	25	A. Not that I'm aware of.
	Page 227		Page 229
1	Page 227 surgeon or any doctor can't do.	1	Q. Do you believe that every time a talc
1 2		1 2	
	surgeon or any doctor can't do.		Q. Do you believe that every time a talc
2	surgeon or any doctor can't do. If you look at histologic specimens of the	2	Q. Do you believe that every time a talc particle enters the human body, it produces an
2	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see	2 3	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response?
2 3 4	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in	2 3 4	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response?A. A talc particle? Are we talking about platy
2 3 4 5	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125.	2 3 4 5	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human
2 3 4 5 6	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS:	2 3 4 5 6	 Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every
2 3 4 5 6 7	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on	2 3 4 5 6 7 8	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes.
2 3 4 5 6 7 8	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do	2 3 4 5 6 7 8	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that
2 3 4 5 6 7 8 9	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct?	2 3 4 5 6 7 8 9 10	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the
2 3 4 5 6 7 8 9	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right?
2 3 4 5 6 7 8 9 10	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see	2 3 4 5 6 7 8 9 10 11 12 13	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes.
2 3 4 5 6 7 8 9 10 11	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry.	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there
2 3 4 5 6 7 8 9 10 11 12 13	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles?
2 3 4 5 6 7 8 9 10 11 12 13 14	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again
2 3 4 5 6 7 8 9 10 11 12 13 14	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show you.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate on patients with nonendometrioid ovarian cancer, you	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show you. I'm looking at Heller 1996, page 1508, right
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate on patients with nonendometrioid ovarian cancer, you do see evidence of inflammation grossly; is that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the huma body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show you.

58 (Pages 226 to 229)

	Page 230		Page 232
1	MS. O'DELL: Yeah, why don't you do	1	MS. O'DELL: Object to the form.
2	that?	2	THE WITNESS: That's correct.
3	MR. ZELLERS: All right. We'll mark	3	BY MR. ZELLERS:
4	the Heller paper that we discussed previously as	4	Q. In your report, you state (as read):
5	Exhibit 27.	5	"An inflammatory reaction caused
6	(Exhibit No. 27 was marked for identification.)	6	by talcum powder on the tube and
7	BY MR. ZELLERS:	7	surface of the ovary results in
8	Q. Doctor, is this the paper we talked about	8	genetic mutations and
9	previously and that you reviewed and are relying on in	9	carcinogenesis."
10	this case?	10	Is that right?
11	A. Yes.	11	A. Yes.
12	Q. Turn, if you will, to page 1508, the second	12	Q. And you cite on page 9 in your report
13	page. And I'm looking on the right-hand column just	13	well, strike that.
14	two sentences above "Comment" (as read):	14	So what authority supports that statement?
15	"There was no evidence of response	15	A. What was the question again?
16	to talc, such as foreign body	16	Q. Sure. In your report, page 9, under
17	giant cell reactions or fibrosis	17	"Plausibility," second sentence, you state (as read):
18	in the tissue."	18	"An inflammatory reaction caused
19	Did I read that correctly?	19	by talcum powder on the tube and
20	A. Yes.	20	surface of the ovary results in
21	Q. What evidence is there that externally	21	genetic mutations and
22	applied talcum powder causes chronic inflammation?	22	carcinogenesis."
23	A. Again, I think we see increased biomarkers.	23	What authority supports that statement?
24	I think Dr. Saed's research using ovarian cancer cells	24	A. The sequence of events from perineal talc
25	shows the inflammatory response that results in gene	25	exposure to ovarian cancer and the mechanism of
	Page 231		Page 233
1	mutations.		
		1	chronic inflammation on that ovary over a period of
2		1 2	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes
2	Q. Well, we talked a bit ago, you're unaware of		time results in the gene mutation which then becomes
		2	time results in the gene mutation which then becomes ovarian cancer.
3	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas,	2 3 4	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you
3 4	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's	2	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement?
3 4 5	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right?	2 3 4 5	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the
3 4 5 6	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form.	2 3 4 5 6	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer.
3 4 5 6 7	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right?	2 3 4 5 6 7 8	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that
3 4 5 6 7 8	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing	2 3 4 5 6 7 8	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder
3 4 5 6 7 8 9	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute	2 3 4 5 6 7 8 9	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they?
3 4 5 6 7 8 9	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic	2 3 4 5 6 7 8 9 10	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer,
3 4 5 6 7 8 9 10	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction.	2 3 4 5 6 7 8 9 10 11	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that.
3 4 5 6 7 8 9 10 11	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement,
3 4 5 6 7 8 9 10 11 12 13	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US	2 3 4 5 6 7 8 9 10 11 12 13 14	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on
3 4 5 6 7 8 9 10 11 12 13 14	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a	2 3 4 5 6 7 8 9 10 11 12 13 14 15	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic
3 4 5 6 7 8 9 10 11 12 13 14	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis."
3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder or the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer. Q. Please name the study that you're relying on
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation. BY MR. ZELLERS: Q. So your testimony is inflammation,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer. Q. Please name the study that you're relying on for that proposition.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation. BY MR. ZELLERS: Q. So your testimony is inflammation, granulomas, fibrosis, or adhesions are inconsistent	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer. Q. Please name the study that you're relying on

59 (Pages 230 to 233)

	Page 234		Page 236
1	between the exposure of talcum powder to women's	1	that inflammation is occurring when Johnson's baby
2	perineum and ovarian cancer.	2	powder is put into culture with a very normal ovarian
3	Q. And it's your testimony that all of those	3	cancer normal ovarian cells.
4	studies discuss the inflammatory reaction as the	4	BY MR. ZELLERS:
5	causal mechanism; is that right?	5	Q. You'd agree that the research regarding
6	MS. O'DELL: Object to the form.	6	whether chronic inflammation can cause ovarian cancer
7	THE WITNESS: Those studies do not	7	is ongoing; is that right?
8	discuss the mechanism in all studies. Some do.	8	A. I think cancer research in general is
9	BY MR. ZELLERS:	9	ongoing.
10	Q. So here's what I want: You're saying here	10	Q. Most of the studies that you cite talking
11	"An inflammatory reaction caused by talcum powder on	11	about chronic inflammation refer to chronic
12	the tube and surface of the ovary results in genetic	12	inflammation as a hypothesis of one of the ways cancer
13	mutations and carcinogenesis."	13	might form in the ovary; is that right?
14	What study are you referring to, are you	14	MS. O'DELL: Object to the form.
15	relying on, for that statement?	15	THE WITNESS: I think it's the most
16	A. That the patient got ovarian cancer. She had	16	likely more likely than not that's the reason that
17	carcinogenesis. She had gene mutations caused by	17	ovarian cancer forms on the ovary.
18	chronic inflammation that led to cancer. And then we	18	BY MR. ZELLERS:
19	operated on the patient and found she had cancer.	19	Q. But it is a hypothesis which scientists and
20	Q. What is the study that says that the	20	medical professionals are studying; is that right?
21	mechanism, the biologic mechanism, was an inflammatory	21	MS. O'DELL: Objection to form.
22	reaction caused by talcum powder on the tube and	22	THE WITNESS: It's being studied, and
23	surface of the ovary?	23	evidence coming out of laboratories is confirming that
24	A. Would you like to turn to laboratory studies?	24	hypothesis that we have in human beings.
0.5	Q. Is there a study that you're relying on for	l	••
25	Q. Is there a study that you're relying on for	25	
	Page 235	25	Page 237
1		25	Page 237 BY MR. ZELLERS:
	Page 235 that statement?		BY MR. ZELLERS:
1	Page 235	1	BY MR. ZELLERS: Q. You are familiar with a paper published by
1 2	Page 235 that statement? A. There's no way somebody could do a study. Q. All right.	1 2	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic
1 2 3	Page 235 that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch	1 2 3	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of
1 2 3 4	Page 235 that statement? A. There's no way somebody could do a study. Q. All right.	1 2 3 4	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic
1 2 3 4 5	Page 235 that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to	1 2 3 4 5	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it.
1 2 3 4 5 6	Page 235 that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to	1 2 3 4 5 6	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to
1 2 3 4 5 6 7	Page 235 that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study.	1 2 3 4 5 6 7	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this
1 2 3 4 5 6 7 8	Page 235 that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody	1 2 3 4 5 6 7 8	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition.
1 2 3 4 5 6 7 8	Page 235 that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state — this is also on	1 2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study
1 2 3 4 5 6 7 8 9	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read):	1 2 3 4 5 6 7 8	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant
1 2 3 4 5 6 7 8 9 10	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and	1 2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignam potential ovarian tumors and 1500 population-based
1 2 3 4 5 6 7 8 9 10 11	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state — this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent	1 2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls.
1 2 3 4 5 6 7 8 9 10 11 12 13	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state — this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of	1 2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignan potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection?
1 2 3 4 5 6 7 8 9 10 11 12 13 14	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignan potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above."	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignam potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignan potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignan potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignany potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got that. And that's "Talcum Powder, Chronic
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state — this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory? MS. O'DELL: Objection to the form.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignam potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got that. And that's "Talcum Powder, Chronic Inflammation, NSAIDs in Relation to the Risk of
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory? MS. O'DELL: Objection to the form. THE WITNESS: The inflammation theory	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got that. And that's "Talcum Powder, Chronic

60 (Pages 234 to 237)

	Page 238		Page 240
1	BY MR. ZELLERS:	1	A. Okay. Without knowing what how we got to
2	Q. And let me try to cut to the chase, Doctor,	2	this discussion, go right ahead.
3	so when you look at it, we can	3	Q. Well, I'm citing your paper or at least one
4	The study concludes that, on balance,	4	of the papers you read and considered.
5	chronic inflammation does not play a major role in the	5	A. I have not read every word of every one of
6	development of ovarian cancer; is that right?	6	these papers. And you can imagine that, and you can
7	A. I would have to reread this study if you're	7	appreciate that.
8	reading from some particular place. I don't recall	8	Q. You've not read the studies that are
9	exactly how this study was even designed or executed.	9	contained in your materials-considered list
10	Q. Take a look and we'll mark this as an	10	MS. O'DELL: Objection.
11	exhibit. Deposition Exhibit 28 is the Merritt paper.	11	BY MR. ZELLERS:
12	(Exhibit No. 28 was marked for identification.)	12	Q Exhibit 6 to the deposition?
13	BY MR. ZELLERS:	13	MS. O'DELL: Excuse me. Objection.
14	Q. Doctor, is this the same as what you're	14	Misrepresents his testimony.
15	looking at there?	15	What's your question?
16	A. Yes.	16	BY MR. ZELLERS:
17	Q. This is a study that you cite in support of	17	Q. Well, do you want to answer that question?
18	your opinions; is that right?	18	You've not read each and every one of the studies;
19	MS. O'DELL: Object to the form.	19	correct?
20	I think it's referenced in his materials list. It's	20	MS. O'DELL: Objection. Misrepresents
21	not cited in his report.	21	his testimony. I think what he had testified to
22	BY MR. ZELLERS:	22	earlier is that he had not read every word of every
23	Q. It's a study that you felt was at least	23	study but had read the abstracts of certainly of
24	important enough to refer to in your	24	every one.
25	materials-considered list; is that right?	25	THE WITNESS: Right. And I haven't
	Page 239		Page 241
1	A. Along with all these other materials, yes.	1	committed every abstract to memory. I'm sure you can
2	Q. Well, if we go to the "Discussion" on	2	appreciate that too.
3	page 174 of Deposition Exhibit 28 are you with me	3	BY MR. ZELLERS:
4	on 174?	4	Q. I can, and that's why you have it in front of
5	A. I'm on 174. Which paragraph?	5	you.
6	Q. Well, the very first	6	A. Okay.
7	A. Can I back up? I'd like to refresh my memory		
		7	Q. So if we go to page 174, "Discussion," do you
8	of what this study was about.	8	see that? See that paragraph on the left-hand side?
9		8 9	
	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased	8 9 10	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see?
9 10 11	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc.	8 9 10 11	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"?
9 10 11 12	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm	8 9 10 11 12	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes.
9 10 11 12 13	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question.	8 9 10 11 12 13	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under
9 10 11 12 13 14	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about	8 9 10 11 12 13 14	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read):
9 10 11 12 13 14	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor	8 9 10 11 12 13 14 15	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination
9 10 11 12 13 14 15	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished.	8 9 10 11 12 13 14 15 16	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest
9 10 11 12 13 14 15 16	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor	8 9 10 11 12 13 14 15 16 17	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is
9 10 11 12 13 14 15 16 17	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor,	8 9 10 11 12 13 14 15 16 17	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in
9 10 11 12 13 14 15 16 17 18	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before	8 9 10 11 12 13 14 15 16 17 18	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian
9 10 11 12 13 14 15 16 17 18 19 20	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out	8 9 10 11 12 13 14 15 16 17 18 19 20	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer."
9 10 11 12 13 14 15 16 17 18 19 20 21	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even	8 9 10 11 12 13 14 15 16 17 18 19 20 21	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that
9 10 11 12 13 14 15 16 17 18 19 20 21 22	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even the details of the study so far.	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that correctly?
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even the details of the study so far. BY MR. ZELLERS:	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that correctly? A. I don't think so. Says (as read):
9 10 11 12 13 14 15 16 17 18 19 20 21 22	of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even the details of the study so far.	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that correctly?

61 (Pages 238 to 241)

	Page 242		Page 244
1	Are we reading the same you're reading	1	opinions contained in your report?
2	the first sentence under "Discussion"?	2	MS. O'DELL: Objection to form.
3	Q. No. I'm reading the last sentence of	3	THE WITNESS: That it is well
4	"Discussion" last sentence of the first paragraph.	4	established, in my opinion, that pelvic inflammatory
5	A. Okay. You read it correctly.	5	disease is a risk factor for ovarian cancer.
6	Q. All right. And then if we go to the	6	BY MR. ZELLERS:
7	right-hand side, on the same page of the last	7	Q. Do you agree you cannot ignore the data that
8	paragraph, the first two sentences state (as read):	8	doesn't support your opinion and are only relying or
9	"If inflammation plays a role in	9	looking at data that does support your opinion?
10	the etiology of ovarian cancer,	10	MS. O'DELL: Object to the form.
11	then it would be expected that PID	11	THE WITNESS: My opinion is based on a
12	would be associated with increased	12	larger body of evidence and that other authorities,
13	risk of ovarian cancer. PID was	13	not my opinion, have established that PID is a risk
14	not associated with elevated risk	14	factor.
15	of ovarian tumors in our data,	15	MS. BOCKUS: Object. Nonresponsive.
16	confirming several previous	16	MR. ZELLERS: Move to strike as
17	reports of no association with PID	17	nonresponsive.
18	in studies of all subtypes of	18	BY MR. ZELLERS:
19	ovarian cancer."	19	Q. Do you agree that in doing a proper expert
20	Did I read that correctly?	20	analysis, you need to review and consider the studies
21	A. You did.	21	that both support your opinions and the studies that
22	Q. So this study concludes that, on balance,	22	do not support your opinions?
23	chronic inflammation does not play a major role in the	23	A. Absolutely. That's my methodology.
24	development of ovarian cancer; correct?	24	Q. And you believe that you have done that in
25	A. So PID is pelvic inflammatory disease. Is	25	the discussion in your report; is that right?
	71. 50 1 ID is pervie initialinatory disease. Is		the discussion in your report, is that right:
	Page 243		Page 245
1	that what you understand it?	1	A. I believe so.
2	Q. Yes.	2	Q. All right. Do you agree that the studies
3	A. So pelvic inflammatory disease is an acute	3	relating to NSAIDs are not consistent in terms of
4	infection treated with antibiotics and usually		8 8
5	•	4	establishing that NSAIDs, which reduce inflammation,
	resolves with proper treatment. So it's not a chronic	4 5	
6	resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a		establishing that NSAIDs, which reduce inflammation,
	• •	5	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk?
6	infection. Having said that, PID is recognized as a	5 6	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be
6 7	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the	5 6 7	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of
6 7 8	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this	5 6 7 8	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be
6 7 8 9 10 11	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality,	5 6 7 8 9	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk?
6 7 8 9 10	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study	5 6 7 8 9	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian
6 7 8 9 10 11	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer.	5 6 7 8 9 10 11 12	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs
6 7 8 9 10 11	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion	5 6 7 8 9 10 11 12 13 14	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more
6 7 8 9 10 11 12 13 14	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or	5 6 7 8 9 10 11 12 13 14 15	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started
6 7 8 9 10 11 12 13 14 15	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer?	5 6 7 8 9 10 11 12 13 14 15	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later.
6 7 8 9 10 11 12 13 14 15 16	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you	5 6 7 8 9 10 11 12 13 14 15 16	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you
6 7 8 9 10 11 12 13 14 15 16 17	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or	5 6 7 8 9 10 11 12 13 14 15 16 17	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation
6 7 8 9 10 11 12 13 14 15 16 17 18	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then	5 6 7 8 9 10 11 12 13 14 15 16 17 18	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer?
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form.
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which one it was, but they are	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form. THE WITNESS: I'm talking about chronic
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which one it was, but they are Q. Let me ask another question, then.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form. THE WITNESS: I'm talking about chronic inflammation, to be clear.
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which one it was, but they are	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form. THE WITNESS: I'm talking about chronic

62 (Pages 242 to 245)

1	Page 246		Page 248
1	Page 4, you cite Eberl 1948, Redic 1988, and	1	Q. But the FDA noted and I'm looking at
2	1993 NTP study of rats and mice for the proposition	2	page 4 that (as read):
3	that talcum powder is known to elicit an inflammatory	3	"The investigators conceded that
4	response in animals and humans. Is that right?	4	they had problems with the aerosol
5	A. Yes.	5	generation system and that the
6	Q. Those studies just show an acute inflammatory	6	study did not include positive and
7	response; is that right?	7	negative dust controls."
8	MS. O'DELL: Object to the form.	8	Is that right?
9	THE WITNESS: I don't recall that,	9	A. That's what it says.
10	but	10	Q. The FDA went on to conclude that (as read):
11	BY MR. ZELLERS:	11	"In light of these shortcomings, a
12	Q. Well, are you familiar with the FDA's 2014	12	panel of experts at the 1994
13	response to the citizens petition which we talked	13	ISRTP/FDA workshop declared that
14	about earlier?	14	the 1993 NTP study had no
15	A. Yeah. Let me pull that out again.	15	relevance to human risk."
16	Q. Sure. Do you have that available?	16	Did I read that correctly?
17	A. There's an exhibit here.	17	MS. O'DELL: Object to the form.
18	Q. I have it as Exhibit 19.	18	THE WITNESS: You read that correctly,
19	Do you see that do you have that in front	19	and this that study was that workshop was
20	of you?	20	convened a decade before this letter was written.
21	A. I have the exhibit.	21	There was definitely more information available that
22	Q. So go to page 3, where the authors talk about	22	the FDA, once again, chose to not include or ignore.
23	the toxicologic findings.	23	BY MR. ZELLERS:
24	Do you see that?	24	Q. Well, let's take a look at just a couple of
25	A. I'll get there in a second.	25	the studies that you refer to in your report.
	Page 247		Page 249
1	Q. Sure.	1	You cite to the Buz'Zard 2007 study; is that
2	Can I ask you a question?	2	right?
3	A. Just give me one minute, please.	3	A. Yes.
4	Okay.	4	Q. You rely on the Buz'Zard study to support
5	Q. The FDA, in reviewing the toxicology findings		
		5	your view that talcum powder causes chronic
6	and specifically commenting on the 1993 National	6	inflammation that leads to ovarian cancer. This is
7	Toxicology Program, published a study, they state	6 7	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph.
7 8	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read):	6 7 8	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard
7 8 9	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing	6 7 8 9	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here.
7 8 9 10	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of	6 7 8 9 10	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you
7 8 9 10 11	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and	6 7 8 9 10 11	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you?
7 8 9 10 11 12	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the	6 7 8 9 10 11 12	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir.
7 8 9 10 11 12	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc	6 7 8 9 10 11 12 13	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a
7 8 9 10 11 12 13	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc,	6 7 8 9 10 11 12 13 14	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right?
7 8 9 10 11 12 13 14	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental	6 7 8 9 10 11 12 13 14 15	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes.
7 8 9 10 11 12 13 14 15	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of	6 7 8 9 10 11 12 13 14 15	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess
7 8 9 10 11 12 13 14 15 16	Toxicology Program, published a study, they state and Im reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms	6 7 8 9 10 11 12 13 14 15 16 17	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark
7 8 9 10 11 12 13 14 15 16 17	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size."	6 7 8 9 10 11 12 13 14 15 16 17	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right?
7 8 9 10 11 12 13 14 15 16 17 18	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly?	6 7 8 9 10 11 12 13 14 15 16 17 18	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact
7 8 9 10 11 12 13 14 15 16 17 18 19 20	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context to what's above here from the NTP report.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder. Q. Did you consider the type of cells that were
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context to what's above here from the NTP report. Q. Have you made a determination in this case	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder. Q. Did you consider the type of cells that were evaluated in the Buz'Zard study?
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context to what's above here from the NTP report. Q. Have you made a determination in this case about the size of the particles in talcum powder	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder. Q. Did you consider the type of cells that were evaluated in the Buz'Zard study? And let me make it easy for you. The
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context to what's above here from the NTP report. Q. Have you made a determination in this case	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder. Q. Did you consider the type of cells that were evaluated in the Buz'Zard study?

63 (Pages 246 to 249)

	Page 250		Page 252
1	culture and treatment."	1	BY MR. ZELLERS:
2	A. I'm trying to find where they talk about	2	Q. Saed. You were citing the Saed studies, both
3	human origin. Temperatures. Immortalized, yes.	3	2018, and now the Harper and Saed 2009 strike
4	Normal ovarian epithelium and normal granulosa cells.	4	that 2019 abstract; is that right?
5	It's not just generic immortalized cells.	5	A. Repeat the first one.
6	Q. But the study used immortalized cells; is	6	Q. Sure. You're relying, in part, for your
7	that correct?	7	inflammation theory on Saed 2018, that chapter, and
8	A. Immortalized ovarian cells.	8	the Harper and Saed 2019 abstract; is that right?
9	Q. Did you investigate whether the ovarian cells	9	MS. O'DELL: Object to the form.
10	that they used were genetically altered?	10	THE WITNESS: I'm relying on a paper
11	A. Did I investigate whether they were	11	a review paper published in Gyn Oncology in 2017. Is
12	genetically altered?	12	that what you're talking about?
13	Q. Yes.	13	BY MR. ZELLERS:
14	A. I had no opportunity to investigate that	14	Q. Well, I thought Saed that you cite in your
15	question.	15	paper or your report was Saed 2018 and Harper
16	Q. If the Buz'Zard study used genetically	16	and Saed 2019.
17	altered ovarian cells that did not have the p53	17	Are you relying on a Saed 2017 paper as
18	protein, would that affect your analysis of Buz'Zard?	18	well?
19	A. I would have to turn to a molecular biologist	19	A. There's a review paper, "Updates on Oxidative
20	to tell me what impact that might have had on the	20	Stress in Pathogenesis of Ovarian Cancer" that I am
21	impact of this study.	21	familiar with and is a very nice review paper
22	Q. Well, you yourself, as we talked about in the	22	describing oxidative stress and gene mutation.
23	very beginning today in one of your early	23	Q. Well, let me ask you a
24	publications, a cell missing the p53 protein is not a	24	A. But there's two other abstracts here that
25	normal human ovarian cell; is that right?	25	I think you're talking about.
	Page 251		Page 253
1	MS. O'DELL: Object to the form.	1	Q. Do you know that Dr. Saed is a paid expert
2	THE WITNESS: No, that's not what we	2	for the plaintiffs' lawyers in this litigation?
3	were talking about this morning in the one 1993 study	3	A. No.
4	that I was a coauthor on. P53 mutation is what we	4	Q. Did you consider that fact in evaluating
5	were talking about.	5	Dr. Saed's work?
6			DI. Sacu's WOIK:
	BY MR. ZELLERS:	6	A. I believe he's an honest scientist and is
7			A. I believe he's an honest scientist and is
7 8	Q. Right. Well, looking at the Figure 3 of the	6	A. I believe he's an honest scientist and is doing good scientific work.
	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does	6 7	A. I believe he's an honest scientist and is
8	Q. Right. Well, looking at the Figure 3 of the	6 7 8	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's
8 9	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right?	6 7 8 9	A. I believe he's an honest scientist and is doing good scientific work.Q. What is your basis for concluding that he's an honest scientist?A. He has a good reputation in the gynecologic
8 9 10	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form.	6 7 8 9 10	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist?
8 9 10 11	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right?	6 7 8 9 10 11	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review
8 9 10 11 12	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point.	6 7 8 9 10 11 12	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer
8 9 10 11 12 13	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS:	6 7 8 9 10 11 12 13	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review.
8 9 10 11 12 13 14	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right?	6 7 8 9 10 11 12 13 14	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that
8 9 10 11 12 13 14 15	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down,	6 7 8 9 10 11 12 13 14	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed
8 9 10 11 12 13 14 15	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the	6 7 8 9 10 11 12 13 14 15	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation?
8 9 10 11 12 13 14 15 16	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells.	6 7 8 9 10 11 12 13 14 15 16	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in
8 9 10 11 12 13 14 15 16 17	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as	6 7 8 9 10 11 12 13 14 15 16 17	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form.
8 9 10 11 12 13 14 15 16 17 18	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive.	6 7 8 9 10 11 12 13 14 15 16 17 18	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those
8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. In fact, the study shows that higher doses of	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words. BY MR. ZELLERS:
8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. In fact, the study shows that higher doses of talcum powder are associated with lower ROS	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words. BY MR. ZELLERS: Q. Have you spoken with Dr. Saed?
8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. In fact, the study shows that higher doses of	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words. BY MR. ZELLERS:

64 (Pages 250 to 253)

	Page 254		Page 256
1	A. No, I have not.	1	MS. O'DELL: Object to the form.
2	Q. The Saed study looked at immortalized cell	2	THE WITNESS: I think we don't know how
3	lines; is that right?	3	much talcum powder gets to the ovary.
4	MS. O'DELL: Which study are you	4	BY MR. ZELLERS:
5	referring to?	5	Q. Can you cite any data showing that the level
6	MR. ZELLERS: I'm referring to the 2018	6	of concentration of exposure used in the Saed study
7	and 2009 publications that you have referenced with	7	has ever occurred in women with perineal talc use?
8	the doctor.	8	A. I think that's an unknown answer.
9	MS. O'DELL: You said 2009	9	Q. Do you know what SNPs are, S-N-P-S?
10	MR. ZELLERS: I'm sorry. 2019. Excuse	10	A. Yes. Single-nucleotide polymorphisms.
11	me.	11	Q. The Saed abstract and article looked at
12	THE WITNESS: Just to be clear, just so	12	single-nucleotide polymorphisms, or SNPs; is that
13	we know the authors, so you're talking about Fletcher	13	right?
14	and Saed, the abstract?	14	A. That's correct.
15	BY MR. ZELLERS:	15	Q. They are changes to the individual building
16	Q. I was referring to what you cite and	16	blocks of DNA; is that right?
17	reference in your report, which, at least in part, is	17	A. Yes.
18	Saed 2018 and Harper and Saed 2019.	18	Q. SNPs can be caused by a number of agents or
19	Did you review those studies and are you	19	factors; is that right?
20	relying, at least in part, on those studies?	20	A. I believe so.
21	A. Those studies and then with the subsequent	21	Q. Most SNPs have no effect on health or
22	full-length manuscript by Dr. Saed.	22	development; is that right?
23	Q. All right. And you're aware that Dr. Saed	23	MS. O'DELL: Object to the form.
24	looked at immortalized cell lines; is that right?	24	THE WITNESS: Individual SNPs. So SNPs
25	A. That is about the only way to do that kind of	25	do represent a gene mutation, and they do have impact
		-	
	Page 255		Page 257
1	Page 255 research, is with immortalized cells.	1	Page 257 on the carcinogenesis, if you will, or development of
1 2		1 2	
	research, is with immortalized cells.		on the carcinogenesis, if you will, or development of
2	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep	2	on the carcinogenesis, if you will, or development of cancer. Not in all cases.
2	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro?	2 3	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS:
2 3 4 5 6	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a	2 3 4	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that
2 3 4 5 6 7	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous	2 3 4 5	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer?
2 3 4 5 6 7 8	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line.	2 3 4 5 6	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused
2 3 4 5 6 7 8	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that	2 3 4 5 6 7	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs,
2 3 4 5 6 7 8 9	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells?	2 3 4 5 6 7 8	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant
2 3 4 5 6 7 8 9 10	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that
2 3 4 5 6 7 8 9 10 11	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his	2 3 4 5 6 7 8 9	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition.	2 3 4 5 6 7 8 9 10	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer?
2 3 4 5 6 7 8 9 10 11 12 13	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs
2 3 4 5 6 7 8 9 10 11 12 13 14 15	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the	2 3 4 5 6 7 8 9 10 11 12 13 14	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs?	2 3 4 5 6 7 8 9 10 11 12 13 14	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form. THE WITNESS: I think this is the best	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the combination of different SNPs is recognized as causing
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form. THE WITNESS: I think this is the best one can do, I presume I'm not a laboratory	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the combination of different SNPs is recognized as causing cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form. THE WITNESS: I think this is the best one can do, I presume I'm not a laboratory scientist, but the best they can do to replicate	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the combination of different SNPs is recognized as causing cancer. I don't know the specific SNPs that you're
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form. THE WITNESS: I think this is the best one can do, I presume I'm not a laboratory scientist, but the best they can do to replicate in vitro the impact of talcum powder on ovarian cells.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the combination of different SNPs is recognized as causing cancer. I don't know the specific SNPs that you're referring to.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form. THE WITNESS: I think this is the best one can do, I presume I'm not a laboratory scientist, but the best they can do to replicate in vitro the impact of talcum powder on ovarian cells. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the combination of different SNPs is recognized as causing cancer. I don't know the specific SNPs that you're referring to. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form. THE WITNESS: I think this is the best one can do, I presume I'm not a laboratory scientist, but the best they can do to replicate in vitro the impact of talcum powder on ovarian cells. BY MR. ZELLERS: Q. Can you cite any data showing that the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the combination of different SNPs is recognized as causing cancer. I don't know the specific SNPs that you're referring to. BY MR. ZELLERS: Q. Other SNPs have no effect on health or
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	research, is with immortalized cells. Q. Are you aware that Dr. Saed has testified that the cells were modified with a virus to make them undergoing strike that to make them keep undergoing division in vitro? A. I was not aware of that, but it may be a laboratory technique that's necessary to do continuous studies on the same cell line. Q. Are you aware that Dr. Saed testified that the p53 gene was turned off in those cells? MS. O'DELL: Object to the form. THE WITNESS: I was not aware of his testimony at all. I've not read his deposition. BY MR. ZELLERS: Q. What methodology did you use to apply the Saed results to normal cells in actual organs? MS. O'DELL: Object to the form. THE WITNESS: I think this is the best one can do, I presume I'm not a laboratory scientist, but the best they can do to replicate in vitro the impact of talcum powder on ovarian cells. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	on the carcinogenesis, if you will, or development of cancer. Not in all cases. BY MR. ZELLERS: Q. What evidence do you have that the SNPs that Dr. Saed observed are associated with ovarian cancer? A. We see that this chronic inflammation caused by talcum powder in his laboratory is creating SNPs, gene mutations. Gene mutations then become cancer. Q. What studies can you cite that show that those SNPs have a statistically significant association with ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs that are more than the laboratory right now. But the combination of different SNPs is recognized as causing cancer. I don't know the specific SNPs that you're referring to. BY MR. ZELLERS: Q. Other SNPs have no effect on health or development; correct?

	Page 258		Page 260
1	BY MR. ZELLERS:	1	BY MR. ZELLERS:
2	Q. Oxidative stress, would you agree that	2	Q. Dr. Clarke-Pearson, are you familiar with the
3	reactive oxygen species are a normal part of cell	3	term "confounding"?
4	physiology?	4	A. Yes.
5	A. To some degree.	5	Q. That's where the presence of another
6	Q. Do all substances that cause oxidative stress	6	association confuses the relationship between the
7	also cause cancer?	7	exposure and disease being studied; correct?
8	A. No.	8	A. That sounds like a reasonable definition.
9	Q. Does the presence of oxidative stress in	9	Q. For example, if you're studying the
10	tissue indicate that cancer will develop in that	10	association between coffee and pancreatic cancer, you
11	tissue?	11	need to be mindful of whether cigarette smoking is
12	A. It can develop in that tissue.	12	more common in coffee drinkers than in the rest of the
13	MS. O'DELL: Excuse me, Mike. Whenever	13	population; correct?
14	you get to a breaking stopping point, we've been	14	A. And if there's some synergism between the
15	going about an hour and 40 minutes, I think, something	15	two.
16	like that.	16	Q. Cigarette smoking could be a confounder in
17	MR. ZELLERS: Sure. Let me just finish	17	that situation; is that right?
18	a couple of questions here.	18	A. Yes.
19	BY MR. ZELLERS:	19	Q. Because if more coffee drinkers are smokers
20	Q. The presence of oxidative stress in a tissue	20	than non-coffee drinkers, an association between
21	may or may not indicate that cancer will develop in	21	coffee drinking and pancreatic cancer might be due to
22	that tissue; is that fair?	22	the smoking, not the coffee drinking; correct?
23	A. Yes, that's correct.	23	MS. O'DELL: Object to the form.
24	Q. If exposure to a substance causes oxidative	24	THE WITNESS: That's where a researcher
25	stress in a certain tissue, does that mean that the	25	would need to control for those variables.
	Page 259		Page 261
1	substance will cause oxidative stress in all types of	1	BY MR. ZELLERS:
2	tissues?	2	Q. Confounding can distort results in
3	A. Not necessarily.	3	epidemiologic studies; is that right?
4	Q. Does the body have protective mechanisms that	1 4	A. Yes.
5		4	A. 1es.
	can limit tissue damage from oxidative stress?	5	Q. You agree that residual confounding is
6	can limit tissue damage from oxidative stress? A. Yes.	l .	
6 7	A. Yes.	5	Q. You agree that residual confounding is
	A. Yes.Q. What publications indicate that oxidative	5 6	Q. You agree that residual confounding is possible in every observational study; correct?
7	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian	5 6 7	Q. You agree that residual confounding is possible in every observational study; correct?A. I'm not sure I understand what "residual
7	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer?	5 6 7 8	 Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding
7 8 9	A. Yes.Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer?A. We're again talking about the evidence that	5 6 7 8 9	 Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding
7 8 9 10 11	 A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative 	5 6 7 8 9	 Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known
7 8 9 10	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress.	5 6 7 8 9 10 11	 Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders.
7 8 9 10 11	 A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative 	5 6 7 8 9 10 11 12	 Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form.
7 8 9 10 11 12 13	 A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? 	5 6 7 8 9 10 11 12 13 14 15	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS:
7 8 9 10 11 12 13	 A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. 	5 6 7 8 9 10 11 12 13 14 15	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again.
7 8 9 10 11 12 13 14	 A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you 	5 6 7 8 9 10 11 12 13 14 15 16 17	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay.
7 8 9 10 11 12 13 14 15	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that	5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again.
7 8 9 10 11 12 13 14 15 16	 A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you 	5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is
7 8 9 10 11 12 13 14 15 16 17	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct?
7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct? MS. O'DELL: Object to the form.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 3:22 p.m.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct?
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 3:22 p.m. (Recess taken from 3:22 p.m. to 3:38 p.m.)	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct? MS. O'DELL: Object to the form. THE WITNESS: That is possible. BY MR. ZELLERS:
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q. What publications indicate that oxidative stress is involved in the development of ovarian cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 3:22 p.m.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. You agree that residual confounding is possible in every observational study; correct? A. I'm not sure I understand what "residual confounding" is. Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct? MS. O'DELL: Object to the form. THE WITNESS: That is possible.

66 (Pages 258 to 261)

	Page 262		Page 264
1	study; correct?	1	Obesity in adolescence may or may not be.
2	MS. O'DELL: Objection to form.	2	I'm not aware of the data on that.
3	THE WITNESS: Yes, that's possible.	3	BY MR. ZELLERS:
4	BY MR. ZELLERS:	4	Q. Factors weren't controlled for, Chlamydia
5	Q. It's impossible to say that all known and	5	infection, history of weight gain, those are factors
6	unknown confounding factors have been controlled for	6	that were not controlled for strike that. Let me
7	in any given study; is that right?	7	be more precise.
8	MS. O'DELL: Object to the form.	8	A history of Chlamydia infection and a
9	THE WITNESS: That's why we do	9	history of weight gain during adolescence are two
10	randomized control trials if possible.	10	recent factors that are being discussed among the
11	BY MR. ZELLERS:	11	gynecologic oncology community; correct?
12	Q. Many new factors possibly involved in ovarian	12	MS. O'DELL: Object to the form.
13	cancer are just being published in the literature; is	13	THE WITNESS: I'm not aware of the
14	that right?	14	obesity in adolescence. It may be.
15	MS. O'DELL: Object to the form.	15	BY MR. ZELLERS:
16	THE WITNESS: What's being what	16	Q. Those factors were not controlled for in any
17	I was referring to as new factors are really the	17	of the published talc ovarian cancer studies; correct?
18	biological mechanisms by which ovarian cancer occurs.	18	A. That's correct.
19	BY MR. ZELLERS:	19	Q. You rely on Terry 2013 in your report. It's
20	Q. Well, through time, there have been different	20	part of your graph on or your table on page 7; is
21	factors or potential factors involved in ovarian	21	that right?
22	cancer; is that right?	22	A. Yes.
23	MS. O'DELL: Object to the form.	23	Q. Terry 2013 did not adjust for hormone
24	THE WITNESS: Yes.	24	replacement therapy usage; is that right?
25		25	A. I would have to look to see what he did and
	Page 263		Page 265
1	Page 263 BY MR. ZELLERS:	1	Page 265 didn't adjust for.
1 2		1 2	
	BY MR. ZELLERS:		didn't adjust for.
2	BY MR. ZELLERS: Q. Some of those are borne out and some are not;	2	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do?
2	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form.	2 3	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry?
2 3 4	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean	2 3 4	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure.
2 3 4 5	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form.	2 3 4 5	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way:
2 3 4 5 6	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't	2 3 4 5 6	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure.
2 3 4 5 6 7	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a	2 3 4 5 6 7	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that.
2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS:	2 3 4 5 6 7 8	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well,
2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer?	2 3 4 5 6 7 8 9 10	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer?
2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that?	2 3 4 5 6 7 8 9 10 11	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is.
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that?	2 3 4 5 6 7 8 9 10 11 12	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it.	2 3 4 5 6 7 8 9 10 11 12 13 14	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia	2 3 4 5 6 7 8 9 10 11 12 13 14	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a	2 3 4 5 6 7 8 9 10 11 12 13 14 15	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment;
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form. THE WITNESS: Or it may have been
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved with ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, we just finished talking about pelvic inflammatory disease, and	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form. THE WITNESS: Or it may have been higher.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved with ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, we just finished talking about pelvic inflammatory disease, and Chlamydia is a pelvic inflammatory disease, so that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form. THE WITNESS: Or it may have been higher. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Some of those are borne out and some are not; is that right? A. I'm not sure what you mean MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved with ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, we just finished talking about pelvic inflammatory disease, and	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	didn't adjust for. Q. Is that easy for you to do? A. I'm sorry? Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form. THE WITNESS: Or it may have been higher.

	Page 266		Page 268
1	THE WITNESS: We don't know.	1	BY MR. ZELLERS:
2	BY MR. ZELLERS:	2	Q. How is talc similar to asbestos?
3	Q. Asbestos. You're, as you've told us today,	3	A. Talc has fibrous talc in it. Assuming
4	an expert in asbestos; is that right?	4	there's let me just make an assumption that there's
5	A. I feel comfortable talking about asbestos.	5	no asbestos in talc. So that's what you're asking me
6	Q. You feel comfortable, as you told us and	6	about.
7	testified earlier, testifying as an expert on	7	Q. I'm asking you
8	asbestos; is that right?	8	A. A hypothetical that talc doesn't have
9	MS. O'DELL: Object to the form.	9	talcum powder doesn't have asbestos in it.
10	THE WITNESS: I don't think I said	10	Q. My question to you is that you state here
11	I was an expert in asbestos.	11	that there are minerals similar to talc causing
12	BY MR. ZELLERS:	12	cancer. And what I want to know is how is talc as a
13	Q. Well, on page 9 of your report, you say	13	mineral similar to asbestos?
14	(as read):	14	A. Talc has a fiber in it. Fibrous talc is
15	"There are numerous reports in the	15	similar to asbestos.
16	medical literature of minerals	16	Q. Can you be any more specific?
17	similar to talc causing cancer.	17	MS. O'DELL: Object to the form.
18	Probably the most significant	18	THE WITNESS: It's considered a
19	example is asbestos and lung	19	carcinogen. It's a long bundle of fibers.
20	cancer/mesothelioma."	20	BY MR. ZELLERS:
21	Is that right?	21	Q. Talc is a long bundle of fibers?
22	A. Yes. I'm trying to find where I say that.	22	A. Fibrous talc is.
23	I it sounds perfectly right.	23	Q. Well, I'm asking you about talc right now.
24	I'm sorry. I'm having a hard time finding	24	Is talc different than fibrous talc?
25	it. I looked under which topic are you reading	25	A. If you are talking hypothetically about platy
	Page 267		Page 269
1	from?	1	talc only
2	Q. All right. You got page 9, under "Analogy"?	2	Q. I'm talking about you as an expert and
3	Or	3	describing for us the differences in the minerals
4	A. Yes.	4	tale, fibrous tale, and asbestos.
5	Q. "There are numerous reports in the medical	l _	
		5	A. So platy talc hypothetically is probably not
6	literature of minerals similar to talc causing cancer.	6	like asbestos, but it contains fibrous talc, which is
7	Probably the most significant example is asbestos and	6 7	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human
	Probably the most significant example is asbestos and lung cancer/mesothelioma."	6 7 8	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos.
7 8 9	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly	6 7 8 9	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that
7 8 9 10	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes.	6 7 8 9 10	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how
7 8 9 10 11	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q from your report?	6 7 8 9 10 11	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos?
7 8 9 10 11 12	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q from your report? A. That's correct.	6 7 8 9 10 11 12	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal
7 8 9 10 11 12	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly — A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos?	6 7 8 9 10 11 12 13	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and
7 8 9 10 11 12 13	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components	6 7 8 9 10 11 12 13 14	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations.
7 8 9 10 11 12 13 14	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's	6 7 8 9 10 11 12 13 14 15	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you
7 8 9 10 11 12 13 14 15	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that	6 7 8 9 10 11 12 13 14 15	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the
7 8 9 10 11 12 13 14 15 16	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had	6 7 8 9 10 11 12 13 14 15 16	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos?
7 8 9 10 11 12 13 14 15 16 17	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen	6 7 8 9 10 11 12 13 14 15 16 17	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form.
7 8 9 10 11 12 13 14 15 16	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC.	6 7 8 9 10 11 12 13 14 15 16 17 18	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look
7 8 9 10 11 12 13 14 15 16 17	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly — A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the — a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very
7 8 9 10 11 12 13 14 15 16 17 18	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly — A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the — a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar.
7 8 9 10 11 12 13 14 15 16 17 18 19 20	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly — A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the — a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of them are considered carcinogens also.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar. BY MR. ZELLERS:
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly — A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the — a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar. BY MR. ZELLERS: Q. What other minerals that are similar to talc
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Probably the most significant example is asbestos and lung cancer/mesothelioma." Did I read that correctly — A. Yes. Q. — from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the — a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of them are considered carcinogens also.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	like asbestos, but it contains fibrous talc, which is a long, elongated mineral that can act in the human body similar to asbestos. Q. Can you be any more descriptive, or is that as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar. BY MR. ZELLERS:

68 (Pages 266 to 269)

	Page 270		Page 272
1	THE WITNESS: I'm not aware of any.	1	literature on the topic of the alleged presence of
2	BY MR. ZELLERS:	2	asbestos in talcum powder; is that right?
3	Q. Are your opinions in this case dependent on	3	MS. O'DELL: Object to the form.
4	talcum powder containing asbestos?	4	THE WITNESS: The literature?
5	A. No.	5	BY MR. ZELLERS:
6	Q. Do you believe that talcum powder that does	6	Q. You're relying for their strike that.
7	not contain asbestos causes ovarian cancer?	7	For the proposition that there is asbestos
8	A. Yes.	8	in the Johnson's baby powder and Shower to Shower
9	Q. If your if your assumption about	9	product, your reviewing on the documents you were
10	contamination of talcum powder products with asbestos	10	provided by counsel, the exhibit from John Hopkins'
11	were not true, would that change your opinion in this	11	deposition, the exhibit from Julie Pier, and from the
12	case?	12	selected company documents they provided to you;
13	A. No.	13	correct?
14	MS. O'DELL: Object to the form.	14	A. I'm also relying on a publication by A.M.
15	BY MR. ZELLERS:	15	Blount.
16	Q. Is it fair to say that you have not made any	16	Q. That's what we identified earlier; is that
17	independent determination that the Johnson's baby	17	right?
18	powder and talcum powder products are contaminated	18	A. I believe so.
19	with asbestos?	19	Q. The A.M. Blount article deals with
20	MS. O'DELL: Objection to form.	20	mesothelioma, not ovarian cancer; is that right?
21	THE WITNESS: The only determination	21	MS. O'DELL: Objection to form.
22	I've had is the evidence that I've seen.	22	THE WITNESS: It talks about the
23	BY MR. ZELLERS:	23	presence of asbestos in talcum powder.
24	Q. You don't have the personal expertise to make	24	BY MR. ZELLERS:
25	that determination; is that right?	25	Q. Do you know that the deposition exhibits that
	Page 271		Page 273
1			
_	A. I have the personal expertise to read reports	1	you were given the exhibit to John Hopkins'
2	from experts and	1 2	deposition and the exhibit to Julie Pier's
	from experts and Q. Do you have the personal expertise to do the	l .	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that
2	from experts and	2	deposition and the exhibit to Julie Pier's
2	from experts and Q. Do you have the personal expertise to do the	2	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form.
2 3 4	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not.	2 3 4	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys?
2 3 4 5	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for	2 3 4 5	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right?	2 3 4 5 6 7 8	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS:
2 3 4 5 6 7 8	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created.
2 3 4 5 6 7 8	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing	2 3 4 5 6 7 8 9	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from?
2 3 4 5 6 7 8 9 10	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in	2 3 4 5 6 7 8	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not.
2 3 4 5 6 7 8 9 10 11	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition.	2 3 4 5 6 7 8 9 10 11	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that.
2 3 4 5 6 7 8 9 10 11 12 13	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any
2 3 4 5 6 7 8 9 10 11 12 13 14	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits	2 3 4 5 6 7 8 9 10 11 12 13	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins'	2 3 4 5 6 7 8 9 10 11 12 13 14 15	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition;	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right? A. Or by Ms. O'Dell, I'm not sure who.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right? A. Or by Ms. O'Dell, I'm not sure who. Q. Or by Ms. O'Dell. I'll put her in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you? MS. O'DELL: Object to the form. THE WITNESS: Personally, no.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	from experts and Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right? A. Or by Ms. O'Dell, I'm not sure who.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you? MS. O'DELL: Object to the form.

	Page 274		Page 276
1	provided with the evidence of Johnson & Johnson	1	A. My recollection was, whatever technique they
2	companies and Imerys that, in fact, those tests do not	2	used, they didn't find asbestos.
3	show asbestos?	3	Q. Have you made any effort to quantify the
4	MS. O'DELL: Object to the form.	4	amount of any alleged contaminant in the Johnson's
5	THE WITNESS: You're referring to the	5	baby powder products?
6	charts that I have?	6	MS. O'DELL: Objection to form.
7	BY MR. ZELLERS:	7	THE WITNESS: What contaminant are you
8	Q. Yes.	8	talking about?
9	A. I'm not aware of that.	9	BY MR. ZELLERS:
10	Q. Have you confirmed that any of the talc	10	Q. Well, let's start with asbestos.
11	samples mentioned in those charts, the two exhibits of	11	A. I haven't made any effort to quantify aside
12	Hopkins deposition and Pier deposition, were actually	12	from what's in the reports.
13	from talc that was used in body powder?	13	Q. Have you made any effort to quantify the
14	A. I believe the testing that was reported in	14	trace amounts of heavy metals that you contend are in
15	Hopkins was from Johnson & Johnson.	15	the baby powder?
16	Q. Number one, have you confirmed that any of	16	A. I have not tried to quantitate that except
17	the talc samples mentioned in those charts were	17	for what's in the reports.
18	actually from talc that was used in body powder?	18	Q. Have you attempted to quantify in any manner
19	MS. O'DELL: Objection to form.	19	the fragrance chemicals that you believe are contained
20	THE WITNESS: I can't confirm that.	20	in the baby powder?
21	BY MR. ZELLERS:	21	MS. O'DELL: Objection to form.
22	Q. You realize that the vast majority of talc	22	THE WITNESS: The fragrance chemicals
23	isn't used for body powder; correct?	23	that I know are contained in the baby powder?
24	MS. O'DELL: Objection to form.	24	BY MR. ZELLERS:
25	THE WITNESS: I don't know.	25	Q. Well, you don't really know if any fragrance
	Page 275		Page 277
1	BY MR. ZELLERS:	1	chemicals are contained in the baby powder. You have
2	Q. Did you consider any testing of Johnson &	2	reviewed some documents and materials prepared by
3	Johnson or Imerys that found no asbestos in the talcum	3	others which talk about that; right?
4	powder?	4	A. Yes.
5	A. I presume there is. The report by Dr. Longo	5	Q. All right. Do you have an opinion on what
6	didn't show it in every single sample.	6	type of asbestos, if any, is in the Johnson's baby
7	Q. Well, did you consider did you review any	1	
		7	powder?
8		7 8	powder? A. Looking at the reports, there are several
	of that testing of either Johnson & Johnson companies	8	A. Looking at the reports, there are several
9	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos?	8 9	A. Looking at the reports, there are several types.
	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that	8	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types
9 10 11	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point.	8 9 10 11	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that.
9 10 11 12	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test	8 9 10 11 12	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby
9 10 11	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs?	8 9 10 11	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder?
9 10 11 12 13 14	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No.	8 9 10 11 12 13	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report.
9 10 11 12 13 14	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum	8 9 10 11 12 13 14	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline.
9 10 11 12 13 14	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products?	8 9 10 11 12 13 14 15	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite.
9 10 11 12 13 14 15 16	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence.	8 9 10 11 12 13 14 15 16	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite.
9 10 11 12 13 14 15 16 17	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not	8 9 10 11 12 13 14 15 16 17 18	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on?
9 10 11 12 13 14 15 16 17 18	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of	8 9 10 11 12 13 14 15 16 17 18 19	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the
9 10 11 12 13 14 15 16 17 18 19 20	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products?	8 9 10 11 12 13 14 15 16 17 18 19 20	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right?
9 10 11 12 13 14 15 16 17 18 19 20 21	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it.	8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct.
9 10 11 12 13 14 15 16 17 18 19 20 21 22	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it. Q. Have you made any effort well, strike	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct. Q. Do you know what type of asbestos is most
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it. Q. Have you made any effort well, strike that.	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct. Q. Do you know what type of asbestos is most commonly associated with ovarian cancer?
9 10 11 12 13 14 15 16 17 18 19 20 21 22	of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it. Q. Have you made any effort well, strike	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct. Q. Do you know what type of asbestos is most

70 (Pages 274 to 277)

1	Page 278		Page 280
1	BY MR. ZELLERS:	1	A. Yes.
2	Q. That's your belief? That all types of	2	Q. Are you familiar with the limitations of that
3	asbestos are equally associated with ovarian cancer?	3	research?
4	A. I think they're all carcinogens.	4	MS. O'DELL: Objection. Vague.
5	Q. Am I correct that, at least as you sit here,	5	THE WITNESS: I'm not quite sure
6	you believe that all forms of asbestos are associated	6	BY MR. ZELLERS:
7	with ovarian cancer?	7	Q. I'm sorry. Did you finish?
8	A. There's never been a randomized trial	8	A. Yes.
9	exposing women to different forms of asbestos to	9	Q. One of the papers you looked at and
10	determine whether one is more carcinogenic than the	10	I think it's contained in one of your folders was
11	other.	11	the Reid 2011 paper. Is that right?
12	Q. So your answer is yes; is that right?	12	A. Yes.
13	MS. O'DELL: Object to the form.	13	Q. That was research on the potential
14	MS. BOCKUS: I was going to object to	14	relationship between asbestos and ovarian cancer. One
15	his prior answer as nonresponsive.	15	of the limitations as discussed by Reid is that
16	THE WITNESS: Your question was, "Am	16	there's a very small number of cases.
17	I correct?"	17	Is that right?
18	BY MR. ZELLERS:	18	MS. O'DELL: Object to the form.
19	Q. What I want to know	19	THE WITNESS: I believe so.
20	A. Do I believe that all forms of asbestos are	20	BY MR. ZELLERS:
21	associated with ovarian cancer? And the answer is	21	Q. Is it true that most, if not all, of the
22	yes.	22	studies that you have reviewed with respect to
23	Q. Is there a particular type of asbestos that	23	asbestos and ovarian cancer involve occupational
24	is primarily associated with ovarian cancer?	24	exposure?
25	MS. O'DELL: Objection. Asked and	25	MS. O'DELL: Object to the form.
	Davis 270		Dama 201
	Page 279		Page 281
1	answered.	1	THE WITNESS: That's correct.
2	THE WITNESS: Not that I'm aware of.	2	
3			BY MR. ZELLERS:
	BY MR. ZELLERS:	3	Q. Did any of the nonoccupational asbestos
4	Q. What dose of asbestos is associated with	4	Q. Did any of the nonoccupational asbestos studies reach statistical significance?
5	Q. What dose of asbestos is associated with ovarian cancer?	4 5	Q. Did any of the nonoccupational asbestos studies reach statistical significance?A. No.
5 6	Q. What dose of asbestos is associated with ovarian cancer?A. We don't know. Possibly any dose.	4 5 6	Q. Did any of the nonoccupational asbestos studies reach statistical significance?A. No.Q. Do you know how many women have been studied
5 6 7	Q. What dose of asbestos is associated with ovarian cancer?A. We don't know. Possibly any dose.Q. What type of ovarian cancer is asbestos	4 5 6 7	Q. Did any of the nonoccupational asbestos studies reach statistical significance?A. No.Q. Do you know how many women have been studied in nonoccupational settings?
5 6 7 8	Q. What dose of asbestos is associated with ovarian cancer?A. We don't know. Possibly any dose.Q. What type of ovarian cancer is asbestos associated with?	4 5 6 7 8	 Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like
5 6 7 8 9	 Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. 	4 5 6 7 8 9	 Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in
5 6 7 8 9	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right?	4 5 6 7 8 9	 Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women.
5 6 7 8 9 10 11	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's	4 5 6 7 8 9 10	 Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have
5 6 7 8 9 10 11 12	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said.	4 5 6 7 8 9 10 11 12	 Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal
5 6 7 8 9 10 11 12	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with	4 5 6 7 8 9 10 11 12 13	 Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer?
5 6 7 8 9 10 11 12 13	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer.	4 5 6 7 8 9 10 11 12 13 14	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in
5 6 7 8 9 10 11 12 13 14	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS:	4 5 6 7 8 9 10 11 12 13 14 15	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes.
5 6 7 8 9 10 11 12 13	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on	4 5 6 7 8 9 10 11 12 13 14 15	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the
5 6 7 8 9 10 11 12 13 14 15	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos?	4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right?
5 6 7 8 9 10 11 12 13 14 15 16 17	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer
5 6 7 8 9 10 11 12 13 14 15 16 17	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered.	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both
5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy.
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered. THE WITNESS: I don't think anybody	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy. Q. Well, the studies have acknowledged that it's
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered. THE WITNESS: I don't think anybody knows that.	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy. Q. Well, the studies have acknowledged that it's difficult to distinguish between the two, between
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered. THE WITNESS: I don't think anybody knows that. BY MR. ZELLERS:	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy. Q. Well, the studies have acknowledged that it's difficult to distinguish between the two, between peritoneal mesothelioma and ovarian cancer; is that
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered. THE WITNESS: I don't think anybody knows that. BY MR. ZELLERS: Q. You've looked at studies that have explored	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy. Q. Well, the studies have acknowledged that it's difficult to distinguish between the two, between

71 (Pages 278 to 281)

	Page 282		Page 284
1	Q. And the Reid study, again, makes that	1	your point about confounding issues, the risk factors
2	finding. On the first page, in the right-hand column,	2	in the 1970s above and beyond exposure to talc were
3	Number 2, "Difficulties with Diagnosis"; is that	3	not always controlled for. I think we know more about
4	right?	4	that today in ongoing studies.
5	A. Yes.	5	BY MR. ZELLERS:
6	Q. Have the studies addressed confounding and	6	Q. You'd agree that exposure to asbestos through
7	independent risk factors?	7	the perineal cosmetic talc use, assuming that talc
8	MS. O'DELL: Object to the form.	8	contains asbestos fibers, is different from the heavy
9	THE WITNESS: Well, I'm certain that	9	occupational exposure that's primarily been
10	I would be quite confident that they didn't evaluate	10	researched; is that right?
11	these women, whether they had a BRCA1 or 2 mutation or	11	MS. O'DELL: Object to the form.
12	not, and other risk factors were not included.	12	THE WITNESS: Yes, I would agree with
13	BY MR. ZELLERS:	13	that.
14	Q. Well, Camargo 2011. That's another study	14	BY MR. ZELLERS:
15	that you put in one of your folders in preparation for	15	Q. Is the asbestos that women are exposed to
16	today; is that right?	16	from using cosmetic talc qualitatively the same as the
17	A. Yeah.	17	raw asbestos encountered at a factory, if you know?
18	Q. That study acknowledged an inability to	18	MS. O'DELL: Object to the form.
19	account for nonoccupational risk factors for ovarian	19	THE WITNESS: The raw asbestos
20	cancer other than age; is that right?	20	encountered at a factory before it's processed?
21	A. Yes.	21	BY MR. ZELLERS:
22	Q. These researchers conducted a meta-analysis	22	Q. Yes.
23	to evaluate the association between asbestos and	23	A. I don't know the answer to that.
24	ovarian cancer; is that right?	24	Q. Do you know what a cleavage fragment is?
25	A. Yes.	25	A. It's part of platy talc.
	Page 283		Page 285
1		1	Page 285
1 2	Q. And they acknowledge, as we spoke just a	1 2	Q. Do you know how a cleavage fragment differs
2	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for	2	Q. Do you know how a cleavage fragment differs from an asbestos fiber?
2 3	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other	2 3	Q. Do you know how a cleavage fragment differs from an asbestos fiber?A. It has to do with the size of the fiber.
2 3 4	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right?	2 3 4	Q. Do you know how a cleavage fragment differs from an asbestos fiber?A. It has to do with the size of the fiber.Q. Do you have any opinions about cleavage
2 3	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so.	2 3	Q. Do you know how a cleavage fragment differs from an asbestos fiber?A. It has to do with the size of the fiber.Q. Do you have any opinions about cleavage fragments in this case?
2 3 4 5	 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect 	2 3 4 5	Q. Do you know how a cleavage fragment differs from an asbestos fiber?A. It has to do with the size of the fiber.Q. Do you have any opinions about cleavage fragments in this case?A. What case are we talking about?
2 3 4 5 6	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using	2 3 4 5 6	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the
2 3 4 5 6 7	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to	2 3 4 5 6 7	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient.
2 3 4 5 6 7 8	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos?	2 3 4 5 6 7 8	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally
2 3 4 5 6 7 8 9	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to	2 3 4 5 6 7 8	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient.
2 3 4 5 6 7 8 9	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder
2 3 4 5 6 7 8 9 10	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they	2 3 4 5 6 7 8 9 10	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right?
2 3 4 5 6 7 8 9 10 11	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'D'ELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause	2 3 4 5 6 7 8 9 10 11	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes.
2 3 4 5 6 7 8 9 10 11 12	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'D'ELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung.	2 3 4 5 6 7 8 9 10 11 12 13	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions
2 3 4 5 6 7 8 9 10 11 12 13	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region	2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region at greater risk of mesothelioma?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form. THE WITNESS: If asked.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region at greater risk of mesothelioma? A. Not that I'm aware of.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form. THE WITNESS: If asked. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region at greater risk of mesothelioma? A. Not that I'm aware of. Q. Are women who use talc in the perineal region	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form. THE WITNESS: If asked. BY MR. ZELLERS: Q. Okay. What opinions do you have about
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region at greater risk of mesothelioma? A. Not that I'm aware of. Q. Are women who use talc in the perineal region at greater risk of asbestosis?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form. THE WITNESS: If asked. BY MR. ZELLERS: Q. Okay. What opinions do you have about cleavage fragments? And, specifically, how does a
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'D'ELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. Z'ELLERS: Q. Are women who use talc in the perineal region at greater risk of mesothelioma? A. Not that I'm aware of. Q. Are women who use talc in the perineal region at greater risk of asbestosis? A. Not that I'm aware of.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form. THE WITNESS: If asked. BY MR. ZELLERS: Q. Okay. What opinions do you have about cleavage fragments? And, specifically, how does a cleavage fragment differ from an asbestos fiber?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region at greater risk of mesothelioma? A. Not that I'm aware of. Q. Are women who use talc in the perineal region at greater risk of asbestosis? A. Not that I'm aware of. Q. If there was more asbestos in talcum powders in the 1970s, shouldn't we have seen higher rates of ovarian cancer in the earlier studies?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form. THE WITNESS: If asked. BY MR. ZELLERS: Q. Okay. What opinions do you have about cleavage fragments? And, specifically, how does a cleavage fragment differ from an asbestos fiber? A. So it has to do with the ratio of length to width, and a cleavage factor has a less than 6:1 proportion.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region at greater risk of mesothelioma? A. Not that I'm aware of. Q. Are women who use talc in the perineal region at greater risk of asbestosis? A. Not that I'm aware of. Q. If there was more asbestos in talcum powders in the 1970s, shouldn't we have seen higher rates of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Do you know how a cleavage fragment differs from an asbestos fiber? A. It has to do with the size of the fiber. Q. Do you have any opinions about cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in the A. I guess I think of a case as a patient. Q. Well, you're here today talking generally about the risk of ovarian cancer from talcum powder use; is that right? A. Yes. Q. Do you intend to express any expert opinions in this matter about cleavage fragments? MS. O'DELL: Objection to form. THE WITNESS: If asked. BY MR. ZELLERS: Q. Okay. What opinions do you have about cleavage fragments? And, specifically, how does a cleavage fragment differ from an asbestos fiber? A. So it has to do with the ratio of length to width, and a cleavage factor has a less than 6:1

Page 286 Page 288 Q. Yes. And I'm asking how it differs from an 1 1 in front of me, though. 2 asbestos fiber --2 BY MR. ZELLERS: 3 3 A. Asbestos needle is longer. It's either a Q. You're not expressing opinions in this case 4 ratio of 6:1 up to less than 15:1. 4 on fragrance chemicals and heavy metals and any 5 Q. Anything else? 5 association fragrance chemicals and heavy metals may 6 A. And then fibers are considered greater than 6 have on ovarian cancer; correct? 7 15:1 ratio. 7 MS. O'DELL: Objection. Form. 8 Q. Asbestos fibers or cleavage fragments? 8 THE WITNESS: No. I am expressing an 9 A. Asbestos fibers. 9 opinion about that. 10 Q. How does a cleavage fragment differ from 10 BY MR. ZELLERS: 11 fibrous talc? Q. What research have you done with respect to 11 12 A. I'm not sure I know the difference. 12 the fragrance chemical and trace amounts of heavy 13 Q. Does it make a difference to your theory and 13 metals that are contained in the talcum powder? your opinions if it turns out that talc contains MS. O'DELL: Objection to the form. 14 14 cleavage fragments of nonasbestiform amphiboles 15 15 Compound. 16 instead of asbestiform amphiboles? 16 THE WITNESS: It's my opinion that MS. O'DELL: Objection. 17 17 talcum powder causes ovarian cancer, that talcum 18 THE WITNESS: I'm going to have to read powder contains platy tale, fibrous tale, asbestos, 18 19 19 heavy metals -- three of them -- and fragrances. your question. 20 BY MR. ZELLERS: 20 I'm not necessarily saying one of that list 21 Q. Sure. And if you don't have opinions, that's 21 is causing the cancer. It's the talcum powder -- the 22 okay. I'm just trying to find out what you have 22 baby talc -- baby powder and the Shower to Shower --23 opinions about. 23 that's causing the ovarian cancer. 24 A. No, I don't have an opinion. 24 BY MR. ZELLERS: 25 Q. You don't have opinions about whether or not 25 Q. I understand that, and I think I've asked you Page 287 Page 289 1 regulatory action in this area rejects the idea that 1 my questions with respect to that. 2 science has established that cleavage fragments or 2 What I'm asking about now is whether or not 3 3 nonasbestiform amphiboles pose the same risk as you have made a separate analysis as to whether one or 4 asbestos; correct? You leave that to other experts to 4 more of the fragrance chemicals or one or more of the 5 address? 5 trace heavy metals that have been reported to be 6 A. The regulatory portion, yes. 6 contained in talcum powder, whether those are causally Q. How, if at all, did you factor the difference 7 7 associated or a causal factor for ovarian cancer? 8 between asbestiform and nonasbestiform minerals into 8 A. In combination with the commercial product 9 your analysis of the relationship between talcum 9 called baby powder and Shower to Shower, I think they 10 powder use and ovarian cancer? all contribute to the outcome, which is ovarian 10 11 MS. O'DELL: Objection to the form. 11 12 Compound. Q. Are you relying on any scientific literature 12 13 You may answer the question if you 13 to support your opinion that some of the chemicals in 14 understand it. 14 Johnson's baby powder cause ovarian cancer? 15 THE WITNESS: Well, I'm quite certain, 15 MS. O'DELL: Object to the form. 16 based on IARC, that asbestiform minerals are 16 THE WITNESS: We know that they can be 17 carcinogenic. 17 carcinogenic. 18 BY MR. ZELLERS: 18 BY MR. ZELLERS: 19 Q. That is your answer to my question? 19 Q. With respect to ovarian cancer. 20 A. Yes. 20 A. Not specifically to ovarian cancer. We 21 Q. All right. Fragrance chemicals and heavy 21 haven't studied that. 22 metals, you're aware those are addressed in 22 Q. Do you have any evidence that the fragrance 23 Dr. Crowley's report; is that right? 23 chemicals and trace heavy metals contained in 24 MS. O'DELL: Objection. Form. 24 Johnson's baby powder have been tested in human beings 25 THE WITNESS: Yes. I don't have that 25 and found to cause inflammation?

73 (Pages 286 to 289)

Page 29	90	Page 29
A. I'm not aware of those studies.	1	Q. Or Shower to Shower?
Q. Is there any epidemiology, human studies,	2	A. No.
substantiating the theory that fragrance ingredients	3	Q. You've not done any independent testing of
can cause ovarian cancer?	4	that; correct?
A. Fragrance ingredients by themselves?	5	A. That's correct.
Q. Yes.	<mark>6</mark>	Q. How, if at all, did you factor the dose
A. I'm not aware of any study that's evaluated	7	fragrances and heavy or trace heavy metals into
that.	8	your analysis of the potential relationship between
Q. Is there any epidemiology study	9	those compounds and ovarian cancer?
substantiating the theory that fibrous talc is	10	A. I didn't factor in.
carcinogenic?	11	Q. Let me ask you a couple of questions about
A. IARC claims it is carcinogenic.	12	the Health Canada assessment and the Taher article.
Q. That it causes ovarian cancer, specifically?	13	Those are new materials that you reviewed between the
A. I believe so.	14	time of your report and appearing here today; is that
Q. You'd defer to IARC on that; is that right?	15	right?
MS. O'DELL: Object to the form.	16	A. That's correct.
THE WITNESS: Yes.	17	Q. Have you read the draft Health Canada risk
BY MR. ZELLERS:	18	assessment I'll provide you with a copy so we know
Q. Is there any epidemiology substantiating the	19	what we're speaking of.
theory that exposures to trace amounts of heavy	20	(Exhibit No. 29 was marked for identification.)
metals, allegedly, or that you believe are contained	21	MR. ZELLERS: Deposition Exhibit 29 is
in the Johnson's baby powder can cause ovarian cancer	I	the draft Health Canada decision framework strike
A. I'm not aware that anybody's done a	23	that.
randomized trial in human beings with carcinogen	24	Exhibit 29 is the Health Canada
		Emilion 25 to the freditin Canada
carcinogenic heavy metals to evaluate whether ovarian Page 29		
Page 29	91	Page 29
Page 29	91 1	Page 29 and Managing Health Risks.
Page 29 cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial,	91 1 2	Page 29 and Managing Health Risks. Is that not what he's reviewed?
Page 29 cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating	91 1 2 g 3	Page 29 and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that
Page 29 cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the	91 1 2 3 4	Page 29 and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's	91 1 2 3 4 5	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed.
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer?	91 1 2 3 4 5 6	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form.	91 1 2 3 4 5 6 7	Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that	91 1 2 3 4 5 6 7 8	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of	91 1 2 3 4 5 6 7 8 9	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary.	91 1 2 3 4 5 6 7 8 9 10	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS:	91 1 2 3 4 5 6 7 8 9 10 11	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions,
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue	91 1 2 3 4 5 6 7 8 9 10 11 12	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital	91 1 2 3 4 5 6 7 8 9 10 11 12 13	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right?	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him.
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct.	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals?	31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on tale containing carcinogenetic [sic] metals? A. Not necessarily.	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment.
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on tale containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances?	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital tale users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on tale containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on tale containing carcinogenetic [sic] fragrances? A. Not necessarily.	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure.
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? A. Not necessarily. Q. Do you have any opinions or knowledge as to	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure. MS. O'DELL: because the copy I have
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? A. Not necessarily. Q. Do you have any opinions or knowledge as to the concentration of each of the fragrance chemicals	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure. MS. O'DELL: because the copy I have is marked up, and I know you prefer for me not to han
cancer or any other cancer might occur. Q. Well, aside from a randomized clinical trial, are you aware of any other epidemiology substantiating the theory that exposures to trace amounts of the heavy metals that are reported to be in the Johnson's baby powder can cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: I don't think that anybody's ever studied that as a separate entity of metals only exposed to the ovary. BY MR. ZELLERS: Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? A. Not necessarily. Q. Do you have any opinions or knowledge as to	91 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	and Managing Health Risks. Is that not what he's reviewed? MS. O'DELL: If you're handing him that and suggesting, that's not the health assessment that he's reviewed. MR. ZELLERS: So do we have the health assessment here? And, if not, we can just identify it. But I do want to ask him a few questions about the MS. O'DELL: I do think we have it here. But, if you're going to ask him questions, I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure. MS. O'DELL: because the copy I have

	Page 294		Page 296
1	MS. O'DELL: Doctor, if you want to	1	Canada?
2	just use my computer, feel free to	2	A. I wasn't aware as I said, I wasn't aware
3	THE WITNESS: Okay. I'm not real fast	3	that there were comments that could be made.
4	at running through a computer, but	4	Q. Outside of your litigation consulting work,
5	BY MR. ZELLERS:	5	do you generally rely on draft assessments by
6	Q. Hopefully, my questions will be pretty	6	regulatory agencies?
7	high-level.	7	MS. O'DELL: Object to the form.
8	You have in front of you the draft Health	8	THE WITNESS: I think it's something
9	Canada risk assessment; is that right?	9	that's worth looking at. It doesn't necessarily sway
10	A. On my tablet, yes.	10	my opinion, but could be useful additional information
11	Q. Have you looked into what other public health	11	that might be cutting edge.
12	authorities have had to say about talc and ovarian	12	BY MR. ZELLERS:
13	cancer?	13	Q. You don't cite or strike that.
14	A. Except for what the FDA has had to say.	14	You do not rely on draft regulatory
15	Q. The answer is, no, other than with respect to	15	assessments in your peer-reviewed publications and
16	what the FDA has said; is that right?	16	studies; is that right?
17	A. The answer is no.	17	MS. O'DELL: Object to the form. Asked
18	Q. Why would you rely on Health Canada but not	18	and answered.
19	other public health organizations?	19	THE WITNESS: Not usually, but don't
20	MS. O'DELL: Object to the form.	20	know what there's information there. If there's
21	THE WITNESS: It's my understanding	21	information I can extract from a draft of something
22	that this is very recent analysis of the issues	22	that's useful, I can use it.
23	regarding talcum powder and ovarian cancer and other	23	BY MR. ZELLERS:
24	harms.	24	Q. Are you familiar with the precautionary
25		25	principle?
	Page 295		Page 297
1	BY MR. ZELLERS:	1	A. Slightly.
2			
	Q. You understand it's a draft assessment; is	2	
3	Q. You understand it's a draft assessment; is that right?	2 3	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need
3 4			Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need
	that right?	3	Q. Basically, that means taking a precautionary
4	that right? A. That's correct.	3 4	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence
4 5	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right?	3 4 5	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect.
4 5 6	that right? A. That's correct. Q. You understand that we're at the very	3 4 5 6	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and
4 5 6 7	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form.	3 4 5 6 7	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah.
4 5 6 7 8	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that.	3 4 5 6 7 8	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have
4 5 6 7 8 9	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS:	3 4 5 6 7 8 9	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah.
4 5 6 7 8 9	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up	3 4 5 6 7 8 9	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right?
4 5 6 7 8 9 10	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all?	3 4 5 6 7 8 9 10	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form.
4 5 6 7 8 9 10 11	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form.	3 4 5 6 7 8 9 10 11	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read,
4 5 6 7 8 9 10 11 12	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health	3 4 5 6 7 8 9 10 11 12 13	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes.
4 5 6 7 8 9 10 11 12 13 14 15	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment?	3 4 5 6 7 8 9 10 11 12 13 14	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS:
4 5 6 7 8 9 10 11 12 13 14	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel.	3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need
4 5 6 7 8 9 10 11 12 13 14 15 16 17	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right?	3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the — its publication — I'll hand it to
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the — its publication — I'll hand it to you — which we've marked as Exhibit 29, it is
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the — its publication — I'll hand it to you — which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment prior to its publication?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the its publication I'll hand it to you which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for Identifying, Assessing, and Managing Health Risks."
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the — its publication — I'll hand it to you — which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for Identifying, Assessing, and Managing Health Risks." Do you have that in front of you?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment prior to its publication? A. Was I involved? Q. Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the — its publication — I'll hand it to you — which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for Identifying, Assessing, and Managing Health Risks." Do you have that in front of you? A. You've handed it to me, yes.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment prior to its publication? A. Was I involved?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the — its publication — I'll hand it to you — which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for Identifying, Assessing, and Managing Health Risks." Do you have that in front of you?

75 (Pages 294 to 297)

	Page 298		Page 300
1	Q. Sure.	1	BY MR. ZELLERS:
2	A. In the black box "Underlying Principles"?	2	Q. All right. Thayer 2018, that's a new and
3	Q. Yes, "Underlying Principles."	3	additional meta-analysis that you have reviewed?
4	One of the underlying principles is "use a	4	A. Yes.
5	precautionary approach"; is that right?	5	Q. Let's mark Thayer 2018 as Deposition
6	A. That's what it says.	6	Exhibit 30.
7	Q. If you go, then, to page 8, second paragraph,	7	(Exhibit No. 30 was marked for identification.)
8	second sentence, where Health Canada sets forth "use	8	BY MR. ZELLERS:
9	of a precautionary approach," the second sentence	9	Q. And you can tell us if this is
10	reads (as read):	10	A. I've got a copy.
11	"A precautionary approach to	11	Q. Well, take, if you will, the court
12	decision-making emphasizes the	12	deposition exhibit number. Just put it in your pile
13	need to take timely and	13	there so we can make sure we all understand what we're
14	appropriately preventative action	14	talking about.
15	even in the absence of a full	15	You have seen this review before; is that
16	scientific demonstration of cause	16	right?
17	and effect."	17	A. Yes, I have.
18	Did I read that correctly?	18	Q. The Health Canada risk assessment that you
19	A. Yes, sir.	19	looked at a few moments ago relies on this
20	Q. So a recommendation by Health Canada does not	20	meta-analysis by Thayer and others; is that right?
21	require a finding of causation like is required in a	21	A. That's my understanding. They may use other
22	court. Does that sound right based upon what we have	22	information too.
23	reviewed here?	23	Q. Do you know whether or not Thayer 2018 has
24	MS. O'DELL: Object to the form.	24	been peer-reviewed?
25	THE WITNESS: I'm not sure what the	25	A. I'm not aware of that.
	Page 299		Page 301
			9
1	requirements are for court. I understand the	1	
1 2	requirements are for court. I understand the precautionary portion here.	1 2	Q. Do you know if it has been submitted for
	requirements are for court. I understand the precautionary portion here. BY MR. ZELLERS:		
2	precautionary portion here. BY MR. ZELLERS:	2	Q. Do you know if it has been submitted for publication?
2 3	precautionary portion here.	2 3	Q. Do you know if it has been submitted for publication?A. I do not know.
2 3 4	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of	2 3 4	Q. Do you know if it has been submitted for publication?A. I do not know.Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the
2 3 4 5	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken	2 3 4 5	Q. Do you know if it has been submitted for publication?A. I do not know.Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely?
2 3 4 5 6	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form.	2 3 4 5 6	Q. Do you know if it has been submitted for publication?A. I do not know.Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the
2 3 4 5 6 7 8 9	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you	2 3 4 5 6 7	 Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about?	2 3 4 5 6 7 8	 Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study
2 3 4 5 6 7 8 9 10	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS:	2 3 4 5 6 7 8	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer?
2 3 4 5 6 7 8 9 10 11	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of	2 3 4 5 6 7 8 9	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment.	2 3 4 5 6 7 8 9 10	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes.
2 3 4 5 6 7 8 9 10 11 12 13	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form.	2 3 4 5 6 7 8 9 10 11	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question
2 3 4 5 6 7 8 9 10 11 12 13 14 15	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not	2 3 4 5 6 7 8 9 10 11 12 13	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding.	2 3 4 5 6 7 8 9 10 11 12 13	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of cause and effect?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to my opinion. I didn't see this before I created my
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of cause and effect? A. I understand.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to my opinion. I didn't see this before I created my opinion.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	precautionary portion here. BY MR. ZELLERS: Q. And you also understand that, with the use of a precautionary approach, that action can be taken even in the absence of a full scientific demonstration of cause and effect? MS. O'DELL: Objection to form. THE WITNESS: What action are you talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of cause and effect?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Do you know if it has been submitted for publication? A. I do not know. Q. How can you rely on the Health Canada risk assessment without assessing the quality of one of the major studies on which they rely? MS. O'DELL: Objection to form. THE WITNESS: And the major study you're referring to is Thayer? BY MR. ZELLERS: Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. I didn't see this before I created my opinion. Q. Do you know if Thayer 2018 employed a

	Page 302		Page 304
1	Q. Did you have access to the appendices or	1	point?
2	supplemental tables referenced in the Thayer	2	A. I do not disagree with the author on that
3	meta-analysis?	3	point.
4	A. I did not.	4	Q. One of the Bradford Hill criteria that we've
5	Q. Do you know the source of funding for Thayer	5	discussed is consistency; is that right?
6	2018 meta-analysis?	6	A. Yes.
7	A. If it was listed on here, I should have	7	Q. Look at Thayer 2018. So Exhibit 30, page 25,
8	picked it up. If not, then I don't know the answer to	8	Table 2.
9	your question.	9	Do you have that?
10	Q. Do you know the credentials of the authors of	10	A. Yes.
11	Thayer 2018?	11	Q. Table 2 is entitled "Summary of Evidence for
12	A. None other than what are listed on the cover	12	Each of the Hill Criteria of Causation as Applied to
13	sheet of this paper.	13	Perineal Application of Talc and Ovarian Cancer."
14	Q. Do you personally know any of the authors of	14	Is that right?
15	Thayer 2018?	15	A. I'm sorry. What were you reading where
16	A. No, sir.	16	were you reading from?
17	Q. Do you know whether or not any of those	17	Q. Sure. Table 2 on page 25
18	authors have conflicts of interest or potential	18	A. Right.
19	conflicts of interest?	19	Q is captioned "Summary of Evidence for Each
20	A. Do not know.	20	of the Hill Criteria of Causation as Applied to
21	Q. In Thayer 2018, the authors concluded that	21	Perineal Application of Talc and Ovarian Cancer."
22	"The evidence suggests that asbestos contamination	22	A. Yes.
23	does not explain the positive association between	23	Q. And they kind of go through the same Bradford
24	perineal use of talc powder and ovarian cancer."	24	Hill factors that you do; is that right?
25	Is that right?	25	A. Yes.
	Page 303		Page 305
1	Page 303 MS. O'DELL: Mike, what page are you	1	Page 305 Q. Under "Consistency," they said that
1 2		1 2	
	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence.	1	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported
2	MS. O'DELL: Mike, what page are you reading from?	2	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant
2	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence.	2 3	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported
2 3 4	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer	2 3 4	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right?
2 3 4 5	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part.	2 3 4 5	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right.
2 3 4 5 6	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you.	2 3 4 5 6	 Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half
2 3 4 5 6 7 8 9	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question.	2 3 4 5 6 7 8 9	 Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half
2 3 4 5 6 7 8 9	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple	2 3 4 5 6 7 8 9	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings
2 3 4 5 6 7 8 9 10	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that	2 3 4 5 6 7 8 9 10	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right?
2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read):	2 3 4 5 6 7 8 9 10 11	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings
2 3 4 5 6 7 8 9 10 11 12	MS. ODELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. ODELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings	2 3 4 5 6 7 8 9 10 11 12 13	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight.
2 3 4 5 6 7 8 9 10 11 12 13	MS. ODELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that
2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. ODELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MS. ODELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer."	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement. Go to page 21, if you will, second
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your — well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your — well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences. Do you have that?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they say.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences. Do you have that? MS. O'DELL: What page are you on?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Mike, what page are you reading from? MR. ZELLERS: Page 41, last sentence. So we're on Deposition Exhibit 30, the Thayer meta-analysis, page 41, last part. MS. O'DELL: Thank you. BY MR. ZELLERS: Q. Doctor, I really just have a really simple question. A. Okay. Q. So the authors conclude or state that (as read): "The similarity of findings between studies published prior to and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Under "Consistency," they said that (as read): "15 out of 30 studies reported positive and significant associations." Is that right? A. That's right. Q. We're back to, similar with Langseth, half the studies showing significant associations and half the studies don't. Thayer reports that same findings here; is that right? A. Yes, but not all studies have the same weight. Q. And we've discussed that before; is that right? A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your — well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences. Do you have that?

	Page 306		Page 308
1	BY MR. ZELLERS:	1	THE VIDEOGRAPHER: Going off the record
2	Q. The authors here in this section are	2	at 4:36 p.m.
3	discussing whether or not there is a dose response and	3	(Recess taken from 4:36 p.m. to 4:44 p.m.)
4	dose response findings in the studies; is that right?	4	THE VIDEOGRAPHER: Back on the record
5	A. Yes.	5	at 4:44 p.m.
6	Q. They conclude at the very end and I'm	6	CROSS-EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS
7	looking on page 21, the last sentence above 3.3.2	7	BY MS. BOCKUS:
8	(as read):	8	Q. Doctor, I just want to be sure that what we
9	"When conducted, findings from	9	have marked so far will provide us with copies of all
10	trend analyses were not	10	of your handwritten notes.
11	consistent."	11	A. Certainly.
12	Do you see that?	12	Q. Okay. Are there some handwritten notes that
13	A. Yes, I do.	13	are not on the table in front of you right now?
14	Q. The authors recognize that there's no	14	A. Yeah. There's some in these files and
15	consistent dose response across studies, and you agree	15	some like this, with sticky notes.
16	with that; is that right?	16	Q. And that's what I'm looking for. I want to
17	MS. O'DELL: Objection to form.	17	make sure I get all your sticky notes and all of the
18	THE WITNESS: I think there's some	18	notations that you have made in your review of the
19	evidence there's dose response. Some studies don't do	19	articles.
20	enough to evaluate for dose response, especially the	20	And so when we get it looks like there
21	cohort studies that are pretty well destroyed back on	21	are two binders that have flags and that sort of thing
22	page 43.	22	in them. Are there notes in the binders that are over
23	BY MR. ZELLERS:	23	on the table?
24	Q. Some studies find dose response and some	24	A. No, ma'am.
25	studies don't; correct?	25	Q. Okay. So other than the binders and the
1			
	MS. O'DELL: Objection to form.	1	materials that are on the table, do you have
2	MS. O'DELL: Objection to form. THE WITNESS: That's correct.	1 2	materials that are on the table, do you have handwritten notes somewhere else?
		l .	•
2	THE WITNESS: That's correct.	2	handwritten notes somewhere else?
2	THE WITNESS: That's correct. BY MR. ZELLERS	2	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question
2 3 4	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is	2 3 4	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought
2 3 4 5	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right?	2 3 4 5	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question
2 3 4 5 6	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier.	2 3 4 5 6	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know
2 3 4 5 6 7	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked	2 3 4 5 6 7	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be?
2 3 4 5 6 7 8	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that	2 3 4 5 6 7 8	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a
2 3 4 5 6 7 8	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself?	2 3 4 5 6 7 8 9	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is
2 3 4 5 6 7 8 9	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that	2 3 4 5 6 7 8 9	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are
2 3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely	2 3 4 5 6 7 8 9 10	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things
2 3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen	2 3 4 5 6 7 8 9 10 11	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation
2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation.	2 3 4 5 6 7 8 9 10 11 12 13	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer	2 3 4 5 6 7 8 9 10 11 12 13 14	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct? A. Yes. MR. ZELLERS: I have no further	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging? MS. O'DELL: Objection to form. THE WITNESS: That is one of the risk
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct? A. Yes. MR. ZELLERS: I have no further questions. Some of my colleagues may have questions	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging? MS. O'DELL: Objection to form. THE WITNESS: That is one of the risk factors, yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct? A. Yes. MR. ZELLERS: I have no further questions. Some of my colleagues may have questions for you. Thank you for your time.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging? MS. O'DELL: Objection to form. THE WITNESS: That is one of the risk factors, yes. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct? A. Yes. MR. ZELLERS: I have no further questions. Some of my colleagues may have questions for you. Thank you for your time. THE WITNESS: Thank you.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging? MS. O'DELL: Objection to form. THE WITNESS: That is one of the risk factors, yes. BY MS. BOCKUS: Q. That very few women are diagnosed with
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct? A. Yes. MR. ZELLERS: I have no further questions. Some of my colleagues may have questions for you. Thank you for your time. THE WITNESS: Thank you. MS. BOCKUS: Could we take a quick	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging? MS. O'DELL: Objection to form. THE WITNESS: That is one of the risk factors, yes. BY MS. BOCKUS: Q. That very few women are diagnosed with ovarian cancer who are under 30 years of age; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's correct. BY MR. ZELLERS Q. And that's true of case-control studies; is that right? A. Yes. Q. I want to go back to a question I had asked you earlier. When you do surgery and you see inflammation, would you agree that inflammation that you see is likely related to the cancer itself? A. So let me clarify so we don't get confused. The inflammation that I see is purely ascites. The rest which is fluid in the abdomen either caused by the cancer or by inflammation. Q. The ascites can be caused by the cancer itself; correct? A. Yes. MR. ZELLERS: I have no further questions. Some of my colleagues may have questions for you. Thank you for your time. THE WITNESS: Thank you.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	handwritten notes somewhere else? A. No. Q. Earlier today, you were asked a question I think it was about the FDA letter and you thought you had some handwritten notes on that. Do you know where those might be? A. I don't recall now. You know, it was a sticky note. Just what I've been trying to do is abstract these papers to a few facts that I think are important. It's not personal opinions or other things like that; it's just trying to move the conversation along. Q. Would you agree that in general ovarian cancer is a disease of aging? MS. O'DELL: Objection to form. THE WITNESS: That is one of the risk factors, yes. BY MS. BOCKUS: Q. That very few women are diagnosed with ovarian cancer who are under 30 years of age; correct? A. With epithelial ovarian cancer, yes.

78 (Pages 306 to 309)

	Page 310		Page 312
1	A. Yes.	1	tell them what caused the genetic mutation that caused
2	Q. So confining it to epithelial ovarian cancer,	2	their cancer?
3	that risk starts to rise in the 30s and rises even	3	MS. O'DELL: Object to the form.
4	more in the 40s, 50s, and 60s; correct?	4	THE WITNESS: Aside from the inherited
5	A. Yes, that's my understanding.	5	BRCA mutations and Lynch syndrome, in general, no, we
6	Q. And in the 60s, it kind of levels off	6	can't.
7	A. In the 60s or 70s. I've forgotten what the	7	BY MS. BOCKUS:
8	curves look like exactly.	8	Q. Would you agree that what we know today about
9	Q. And other than being female of a certain age,	9	what causes ovarian cancer is actually dwarfed by what
10	most patients who you see, you don't have any idea of	10	we don't yet know about the cause of ovarian cancer?
11	what caused their ovarian cancer; correct?	11	MS. O'DELL: Object to form.
12	MS. O'DELL: Object to the form.	12	THE WITNESS: I think it's fair to say
13	THE WITNESS: Again, I get back to my	13	we know some risk factors.
14	theme about gene mutation. Something caused the gene	14	BY MS. BOCKUS:
15	mutation to cause that normal cell that's mutated now	15	Q. But we're learning new risk factors and new
16	to become malignant.	16	genetic mutations all the time; correct?
17	BY MS. BOCKUS:	17	MS. O'DELL: Object to the form.
18	Q. Exactly. Somewhere along the aging process,	18	THE WITNESS: In general, we're moving
19	perhaps, or through some exposure, there's been a gene	19	along those lines in research.
20	mutation and well, let me stop there. Scratch all	20	BY MS. BOCKUS:
21	that.	21	Q. I just want to be clear. Is it your position
22	It actually takes multiple gene mutations	22	that being powdered as an infant with talc increases
23	for a cancer to begin, does it not?	23	that person's risk of being diagnosed with ovarian
24	A. That's our understanding.	24	cancer as a woman?
25	Q. Our understanding is that several things	25	A. I think it's the sustained exposure more than
			Page 313
1		1	Page 313 if an infant was just received talcum powder and
1 2	Page 311 happen have to happen before a cancer cell is formed; correct?	1 2	
	happen have to happen before a cancer cell is		if an infant was just received talcum powder and
2	happen have to happen before a cancer cell is formed; correct?	2	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s,
2	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the	2 3	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at
2 3 4	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is.	2 3 4	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk.
2 3 4 5	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it	2 3 4 5	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby
2 3 4 5 6	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking;	2 3 4 5 6 7 8	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1,	2 3 4 5 6 7	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through
2 3 4 5 6 7 8 9	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's	2 3 4 5 6 7 8 9	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence
2 3 4 5 6 7 8 9 10	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an	2 3 4 5 6 7 8 9 10	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that.
2 3 4 5 6 7 8 9 10 11	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then	2 3 4 5 6 7 8 9 10 11	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts.	2 3 4 5 6 7 8 9 10 11 12 13	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly
2 3 4 5 6 7 8 9 10 11 12 13 14	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1	2 3 4 5 6 7 8 9 10 11 12 13 14	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can
2 3 4 5 6 7 8 9 10 11 12 13 14	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets	2 3 4 5 6 7 8 9 10 11 12 13 14 15	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct? A. Yes, in general.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct? A. Yes, in general. Q. So back to my prior question, when patients	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes. BY MS. BOCKUS: Q. In order for a cancer to be called a cancer,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct? A. Yes, in general.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes. BY MS. BOCKUS:

	Page 314		Page 316
1	MS. O'DELL: Object to the form.	1	A. It might be.
2	THE WITNESS: I think cancers if	2	Q. Is chronic inflammation associated well,
3	I understand what you're saying, some cancers also	3	let me back up.
4	replicate rapidly and then slow down and may be	4	You testified earlier that you would not
5	indolent for a period of time.	5	expect to see signs of chronic inflammation at the
6	So the timeline of onset of cancer to death,	6	time you operate on a woman with ovarian cancer; is
7	which is, I guess, the timeline, can vary from one	7	that correct?
8	patient to another.	8	MS. O'DELL: Object to the form.
9	BY MS. BOCKUS:	9	THE WITNESS: Yes, that's true.
10	Q. Cancer needs to develop the ability to evade	10	BY MS. BOCKUS:
11	apoptosis; correct?	11	Q. Why would you no longer see the signs of
12	A. I'm sorry?	12	chronic inflammation at the time of her surgery for
13	Q. Evade apoptosis.	13	ovarian cancer?
14	A. Yeah, that's sort of by definition, cancer	14	A. One, I'm not sure we know the signs that a
15	has already evaded apoptosis.	15	surgeon would identify as chronic inflammation to my
16	Q. Exactly.	16	naked eye or to my field.
17	Cancer also needs to develop sustained	17	Two, most of the time in women with ovarian
18	angiogenesis; correct?	18	cancer, three-quarters of the women I take care of
19	A. It needs to derive a blood supply, and	19	have cancer spread throughout their abdomen and
20	angiogenesis is the blood supply.	20	pelvis, with cancer everywhere, so that I mean, we
21	Q. It needs the ability to invade other tissue	21	don't I don't know how to identify chronic
22	and metastasize; correct?	22	inflammation. I suggested that ascites has something
23	MS. O'DELL: Object to the form.	23	to do with inflammation but not always.
24	THE WITNESS: I'm not sure it needs to.	24	Q. And the ascites could come from the cancer
^ F	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
25	I mean, in general, the time course is one of invasion	25	itself; correct?
	I mean, in general, the time course is one of invasion Page 315	25	itself; correct? Page 317
1		25	
	Page 315		Page 317 A. Yes.
1	Page 315 or metastasis or both.	1	Page 317 A. Yes. Q. What would signs of chronic inflammation in
1 2	Page 315 or metastasis or both. BY MS. BOCKUS:	1 2	Page 317 A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be?
1 2 3	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe	1 2 3	Page 317 A. Yes. Q. What would signs of chronic inflammation in
1 2 3 4	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to?	1 2 3 4	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any
1 2 3 4 5	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form.	1 2 3 4 5	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form.
1 2 3 4 5 6	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc	1 2 3 4 5 6	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be
1 2 3 4 5 6 7	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or	1 2 3 4 5 6 7 8	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS:
1 2 3 4 5 6 7 8	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer.	1 2 3 4 5 6 7 8	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could
1 2 3 4 5 6 7 8 9	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS:	1 2 3 4 5 6 7 8	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist?
1 2 3 4 5 6 7 8	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur	1 2 3 4 5 6 7 8 9 10	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be.
1 2 3 4 5 6 7 8 9 10 11 12	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts?	1 2 3 4 5 6 7 8 9 10 11	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any
1 2 3 4 5 6 7 8 9 10 11 12	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form.	1 2 3 4 5 6 7 8 9 10 11 12	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic
1 2 3 4 5 6 7 8 9 10 11 11 12 13	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that	1 2 3 4 5 6 7 8 9 10 11 12 13 14	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have been
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have beer removed as part of any of the studies that you cite?
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15	or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as well as the inherited genes.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have been removed as part of any of the studies that you cite? MS. O'DELL: Object to the form.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Page 315 or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have been removed as part of any of the studies that you cite? MS. O'DELL: Object to the form. THE WITNESS: I'm sorry. They've had
1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17	or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as well as the inherited genes.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have beer removed as part of any of the studies that you cite? MS. O'DELL: Object to the form. THE WITNESS: I'm sorry. They've had their fallopian tubes removed?
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as well as the inherited genes. But I don't think anybody has studied that	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have beer removed as part of any of the studies that you cite? MS. O'DELL: Object to the form. THE WITNESS: I'm sorry. They've had their fallopian tubes removed? BY MS. BOCKUS:
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as well as the inherited genes. But I don't think anybody has studied that in correlation with talc exposure, so that would be an	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have beer removed as part of any of the studies that you cite? MS. O'DELL: Object to the form. THE WITNESS: I'm sorry. They've had their fallopian tubes removed? BY MS. BOCKUS: Q. And looked at by a pathologist, yes. And
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as well as the inherited genes. But I don't think anybody has studied that in correlation with talc exposure, so that would be an interesting investigation to undertake.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have beer removed as part of any of the studies that you cite? MS. O'DELL: Object to the form. THE WITNESS: I'm sorry. They've had their fallopian tubes removed? BY MS. BOCKUS: Q. And looked at by a pathologist, yes. And it's reported in the studies.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as well as the inherited genes. But I don't think anybody has studied that in correlation with talc exposure, so that would be an interesting investigation to undertake. BY MS. BOCKUS:	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have beer removed as part of any of the studies that you cite? MS. O'DELL: Object to the form. THE WITNESS: I'm sorry. They've had their fallopian tubes removed? BY MS. BOCKUS: Q. And looked at by a pathologist, yes. And it's reported in the studies. A. Signs of chronic inflammation of the
1 2 3 4 5 6 7 8 9	or metastasis or both. BY MS. BOCKUS: Q. Okay. Which of those steps do you believe talc contributes to? MS. O'DELL: Objection to form. THE WITNESS: I believe talc contributes to the first onset or the additional or first onset of mutations that then lead on to cancer. BY MS. BOCKUS: Q. What in what gene does the mutation occur in that talc impacts? MS. O'DELL: Object to the form. THE WITNESS: Some genes SNPs that Dr. Saed has identified are what we know, I think, to date. We know there's other genetic mutations that are present in the somatic form of ovarian cancer as well as the inherited genes. But I don't think anybody has studied that in correlation with talc exposure, so that would be an interesting investigation to undertake. BY MS. BOCKUS: Q. Inflammation chronic inflammation, is that	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q. What would signs of chronic inflammation in the fallopian tubes be? MS. O'DELL: Object to the form. THE WITNESS: I don't think there's any signs that I'm aware of that recognize or would be identified as chronic inflammation. BY MS. BOCKUS: Q. Is chronic inflammation something that could be identified by a pathologist? A. It might be. Q. Do you know whether there have been any studies looking at looking for signs of chronic inflammation in women whose fallopian tubes have beer removed as part of any of the studies that you cite? MS. O'DELL: Object to the form. THE WITNESS: I'm sorry. They've had their fallopian tubes removed? BY MS. BOCKUS: Q. And looked at by a pathologist, yes. And it's reported in the studies.

	Page 318		Page 320
1	in her fallopian tubes?	1	THE WITNESS: I'm not sure how much
2	MS. O'DELL: Objection. Form.	2	greater. It's greater as women age.
3	THE WITNESS: Again, the signs of	3	BY MS. BOCKUS:
4	chronic inflammation are vague and not well defined in	4	Q. You indicated that not using birth control
5	terms of what a pathologist would see. If they did	5	pills causes ovarian cancer.
6	molecular testing for example, the reason we now	6	Did I understand you correctly?
7	believe that most ovarian cancers arise in the	7	MS. O'DELL: Object to the form.
8	fallopian tube is by doing molecular testing of the	8	THE WITNESS: It allows, more likely
9	fallopian tube and seeing p53 mutations and early	9	than not, more mutations to occur as the patient
10	cancers arising from the fallopian tube that then	10	ovulates rather than having ovulation suppression by
11	metastasize to the ovary in the peritoneal cavity. So	11	birth control pills.
12	that's a molecular biology approach that pathologists	12	BY MS. BOCKUS:
13	don't usually do unless it's in a research setting.	13	Q. Okay. Do you believe that that mechanism is
14	BY MS. BOCKUS:	14	supported in light of the fact that it is now believed
15	Q. Is it your belief that pathologists cannot	15	that cancers originate in the fallopian tubes?
16	identify chronic inflammation in tissue samples that	16	A. Yes, I think it's hormonal changes in the
17	they examine?	17	fallopian tubes as well as the ovary.
18	MS. O'DELL: Objection. Form.	18	Q. Okay. Do you know to what what are the
19	THE WITNESS: I think they can identify	19	odds ratios for a woman developing ovarian cancer who
20	it on some occasions on H&E slides. Is that what	20	has never used birth control pills compared to women
21	you're talking about?	21	who have?
22	BY MS. BOCKUS:	22	A. There's one statistic, I think, that is
23	Q. Yes.	23	pretty well agreed upon is that women who used birth
24	A. I think they can see it sometimes.	24	control pills for five years have about a 50 percent
25	Q. And do you know if chronic inflammation is	25	reduction in the lifetime risk of ovarian cancer.
	Page 319		Page 321
1	reported as existing in the fallopian tubes in any of	1	Q. In your report on page 4, at the bottom, you
2	the studies that you have cited in your report?	2	talk about EOC risk factors.
3	MS. O'DELL: Objection. Asked and	3	Can you see where I'm talking about?
4	answered.	4	A. Yes. ma'am.
5	THE WITNESS: Not that I'm aware of,	5	Q. And you say (as read):
6	no.	6	"The lifetime risk of developing
7			
	BY MS. BUCKUS:	7	ovarian cancer is 39 to 46 percent
8	BY MS. BOCKUS: O. I'm going to be jumping around a lot, and I'm	7 8	ovarian cancer is 39 to 46 percent in BRCA1 carriers."
8 9	Q. I'm going to be jumping around a lot, and I'm		in BRCA1 carriers."
_	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that	8	_
9	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay.	8 9	in BRCA1 carriers." Did I read that correctly? A. Yes.
9 10	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for thatA. Okay.Q but so much of what I was going to ask you	8 9 10	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per
9 10 11	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay.	8 9 10 11	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will
9 10 11 12	 Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that 	8 9 10 11 12	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime?
9 10 11 12 13	 Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. 	8 9 10 11 12 13	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will
9 10 11 12 13 14	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer?	8 9 10 11 12 13 14	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form.
9 10 11 12 13 14 15	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes.	8 9 10 11 12 13 14 15	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their
9 10 11 12 13 14 15	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and,	8 9 10 11 12 13 14 15 16	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer.
9 10 11 12 13 14 15 16	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that.	8 9 10 11 12 13 14 15 16	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS:
9 10 11 12 13 14 15 16 17 18	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian	8 9 10 11 12 13 14 15 16 17 18	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460?
9 10 11 12 13 14 15 16 17 18 19 20	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 60s compared to a woman	8 9 10 11 12 13 14 15 16 17	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes.
9 10 11 12 13 14 15 16 17 18 19 20 21	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 60s compared to a woman in her 30s?	8 9 10 11 12 13 14 15 16 17 18 19 20	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes. Q. Okay. And then going on, women who carry the
9 10 11 12 13 14 15 16 17 18 19 20 21	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 60s compared to a woman in her 30s? A. I'd have to look at some statistical tables.	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes. Q. Okay. And then going on, women who carry the BRCA2 mutation, it would be 110 to 270 out of 1,000 in
9 10 11 12 13 14 15 16 17 18 19 20 21	Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 60s compared to a woman in her 30s?	8 9 10 11 12 13 14 15 16 17 18 19 20 21	in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes. Q. Okay. And then going on, women who carry the

81 (Pages 318 to 321)

	Page 322		Page 324
1	MS. O'DELL: For women with BRCA2?	1	THE WITNESS: Being on the planet is
2	MS. BOCKUS: Yes. For women with	2	the 1.3 percent, or the 13 out of 1,000.
3	BRCA2. I thought I made that qualification.	3	BY MS. BOCKUS:
4	BY MS. BOCKUS:	4	Q. Correct.
5	Q. And then you say (as read):	5	A. Being exposed to talc adds the other 4, if
6	"This is compared to the	6	your math is right
7	1.3 percent lifetime risk in	7	Q. Okay. But do you know of any way that you or
8	noncarriers."	8	anyone else can say, in this group of 17 women who
9	Correct?	9	have ovarian cancer who used talcum powder, it's these
10	A. That's correct.	10	4 who developed it because of their talcum powder use
11	Q. So in other words, 13 women out of 1,000,	11	versus the 13 that we know would have been diagnosed
12	approximately, in the US will develop ovarian cancer	12	with ovarian cancer whether they ever used talc or
13	in their lifetime?	13	not?
14	MS. O'DELL: Objection to form.	14	MS. O'DELL: Objection. Incomplete
15	BY MS. BOCKUS:	15	hypothetical.
16	Q. Is that what that means?	16	THE WITNESS: So this is a hypothetical
17	A. Yes.	17	that 1,000 women used talcum powder, and we knew, if
18	MS. O'DELL: Objection to form.	18	they hadn't used talcum powder, that 1 point that
19	BY MS. BOCKUS:	19	13 of them would develop it, and then the other 4
20	Q. And it's your opinion that and that's	20	develop it because, in my opinion, they used talcum
21	all-comers; right? That's women who have had	21	powder?
22	children, women who haven't had children, et cetera?	22	BY MS. BOCKUS:
23	A. Yes.	23	Q. Right, because that's the difference between
24	Q. That's the entire population?	24	the background rate and the rate that, it's your
25	A. But that don't have these BRCA mutations.	25	opinion, is associated with talc use; correct?
	Page 323		Page 325
1	Page 323 Q. Correct. Fair enough.	1	Page 325 A. So do I know which one of those what
1 2		1 2	
	Q. Correct. Fair enough. So, as I understand it, it is your opinion	l .	A. So do I know which one of those what
2	Q. Correct. Fair enough.	2	A. So do I know which one of those what number are we up to now?
2	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders,	2	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes.
2 3 4	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that	2 3 4	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder?
2 3 4 5	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct?	2 3 4 5	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes.
2 3 4 5 6	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you	2 3 4 5 6 7 8	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that.
2 3 4 5 6 7	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop	2 3 4 5 6 7 8	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would
2 3 4 5 6 7 8	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime?	2 3 4 5 6 7 8 9	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17
2 3 4 5 6 7 8 9 10	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated
2 3 4 5 6 7 8 9 10 11	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math,	2 3 4 5 6 7 8 9 10 11	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long?
2 3 4 5 6 7 8 9 10 11 12	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right.	2 3 4 5 6 7 8 9 10 11 12 13	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9 10 11 12 13	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with hier talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would allow you to identify which of the 4 out of 17	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would allow you to identify which of the 4 out of 17 developed ovarian cancer because of their use of talc	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would allow you to identify which of the 4 out of 17 developed ovarian cancer because of their use of talc as opposed to just being on this planet and living a	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct? MS. O'DELL: Object to the form. THE WITNESS: To guess about what?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would allow you to identify which of the 4 out of 17 developed ovarian cancer because of their use of talc	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct? MS. O'DELL: Object to the form. THE WITNESS: To guess about what? BY MS. BOCKUS:

	Page 326		Page 328
1	gotten it anyway?	1	incidence of ovarian cancer in women who have been
2	MS. O'DELL: Object to the form.	2	competitive swimmers?
3	THE WITNESS: I'm not quite sure	3	A. Not that I'm aware of.
4	I understand where you're going or what the question	4	Q. Those women clearly will have spent hours a
5	is. I think the answer is we don't we won't we	5	day, every day, in a swimming pool for many years of
6	can't identify which one of those patients that have	6	their life; correct?
7	ovarian cancer because they all your hypothetical	7	A. Yes.
8	is that they all were exposed to talc.	8	Q. And you would expect, would you not, if
9	MS. O'DELL: I don't think that was her	9	particles from outside a woman's body could freely
10	hypothetical.	10	move into the inside of her body, that the chlorine
11	THE WITNESS: Okay. Well, then I've	11	and other particles found in a swimming pool would
12	lost this.	12	make their way to their ovaries; correct?
13	BY MS. BOCKUS:	13	A. They could. But if they're not carcinogens,
14	Q. As I under well, let me just move on.	14	then they wouldn't cause any problem.
15	When women go swimming in a swimming pool,	15	Q. Would any foreign body that makes its way to
16	does chlorinated water go into their uterus?	16	its ovary to a woman's ovary cause a foreign body
17	A. Goes into their vagina.	17	reaction?
18	Q. That wasn't my question. Does it go to their	18	A. Not necessarily.
19	uterus?	19	Q. What foreign particle could make its way to a
20	A. Probably not.	20	woman's ovary and not cause a foreign body reaction?
21	Q. Why not?	21	MS. O'DELL: Objection to the form.
22	A. I don't know the answer to that question.	22	THE WITNESS: I think that those that
23	Q. When women go swimming in the ocean, does	23	don't cause inflammation, those that are not cleared.
24	saltwater go into their uterus?	24	We talked about cornstarch earlier in today's
25	A. Not usually, no.	25	proceedings, and cornstarch seems not to cause an
	•		1 8.,
	D 207		
	Page 327		Page 329
1	Q. Why not?	1	Page 329 inflammatory reaction. It gets cleared by the immune
1 2		1 2	
	Q. Why not?		inflammatory reaction. It gets cleared by the immune
2	Q. Why not?A. It just doesn't.Q. Is there something blocking the uterus from the vagina?	2	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary?
2	Q. Why not?A. It just doesn't.Q. Is there something blocking the uterus from the vagina?A. The cervix is there, and there is mucus in	2 3 4 5	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS:
2 3 4	Q. Why not?A. It just doesn't.Q. Is there something blocking the uterus from the vagina?A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to	2 3 4 5 6	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes.
2 3 4 5 6 7	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better 	2 3 4 5 6 7	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body
2 3 4 5 6 7 8	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. 	2 3 4 5 6 7 8	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary?
2 3 4 5 6 7 8	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, 	2 3 4 5 6 7 8	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of.
2 3 4 5 6 7 8 9	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. 	2 3 4 5 6 7 8 9	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes
2 3 4 5 6 7 8 9 10	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. 	2 3 4 5 6 7 8 9 10	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer?
2 3 4 5 6 7 8 9 10 11	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. 	2 3 4 5 6 7 8 9 10 11	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh?
2 3 4 5 6 7 8 9 10 11 12	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any 	2 3 4 5 6 7 8 9 10 11 12 13	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes.
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to	2 3 4 5 6 7 8 9 10 11 12 13	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body the female body.	2 3 4 5 6 7 8 9 10 11 12 13 14	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body — the female body. A. Okay.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body the female body. A. Okay. Q. Is it your opinion that particles contained	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body — the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes? A. I don't have an answer answer or opinion	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes? A. I don't have an answer answer or opinion on that. 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes? A. I don't have an answer answer or opinion on that. Q. Same question for swimming pool water. 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	 Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes? A. I don't have an answer answer or opinion on that. Q. Same question for swimming pool water. A. Likewise. 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and fibrous tissue to cause to get the result that the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body — the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes? A. I don't have an answer — answer or opinion on that. Q. Same question for swimming pool water. A. Likewise. MS. O'DELL: Objection to form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and fibrous tissue to cause to get the result that the surgeon wants and the patient wants.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body — the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes? A. I don't have an answer — answer or opinion on that. Q. Same question for swimming pool water. A. Likewise. MS. O'DELL: Objection to form. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and fibrous tissue to cause to get the result that the surgeon wants and the patient wants. Q. Just because something is classified as a
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Why not? A. It just doesn't. Q. Is there something blocking the uterus from the vagina? A. The cervix is there, and there is mucus in the cervix at certain times. I think the other, to follow up on your question with a little bit better answer, is that exposure to the water is limited. It's not like the patient's in the water for hours, day after day after day. Q. That really wasn't my question. A. Okay. Q. My question has to do with the passage of any kind of particles from outside the human body to inside the human body — the female body. A. Okay. Q. Is it your opinion that particles contained in bathwater make their way into the fallopian tubes? A. I don't have an answer — answer or opinion on that. Q. Same question for swimming pool water. A. Likewise. MS. O'DELL: Objection to form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and fibrous tissue to cause to get the result that the surgeon wants and the patient wants.

	Page 330		Page 332
1	organ in the body; correct?	1	Initiative is a poorly designed, poorly executed
2	A. I think that's fair to say.	2	study?
3	Q. And I think you told us previously that, to	3	MS. O'DELL: Object to the form.
4	your knowledge, you're not aware of nickel, chromium,	4	THE WITNESS: Yes.
5	or cobalt ever being identified as carcinogenic to the	5	BY MS. BOCKUS:
6	ovary; correct?	6	Q. Is it your opinion that the Nurses' Health
7	A. I'm not aware that anybody's ever tested that	7	Study is a poorly designed, poorly executed study?
8	hypothesis.	8	MS. O'DELL: Object to the form.
9	Q. Did you look at the IARC classifications of	9	THE WITNESS: With regard to the
10	those three heavy metals?	10	detection of ovarian cancer being caused by perineal
11	A. Yes.	11	use of talcum powder, yes.
12	Q. And did you see where IARC did not identify	12	BY MS. BOCKUS:
13	that they were carcinogenic to the ovary?	13	Q. Is it your opinion that the Gonzalez Sister
14	MS. O'DELL: Objection to form.	14	Study is a poorly designed, poorly executed study?
15	THE WITNESS: Right. I'm not sure that	15	A. Yeah. That's the worst one.
16	there's any data, going back to my answer to my last	16	Q. You have testified and this certainly
17	question, where that's ever been tested. So two of	17	would be part of your practice to understand that
18	those heavy metals are considered carcinogens, but not	18	we now know that HPV causes cervical cancer; correct?
19	specifically to the ovary because they haven't been	19	A. That's correct.
20	tested in the ovary.	20	Q. What is the odds ratio of developing cervical
21	BY MS. BOCKUS:	21	cancer in women who have HPV or who have had HPV
22	Q. So without that without those tests, you	22	versus those who have not?
23	can't say one way or the other whether those heavy	23	A. HPV is nearly 100 percent let me turn this
24	metals, the three you identify in your report,	24	back around.
25	increase the risk of ovarian cancer, can you?	25	Women with squamous cell carcinoma of the
	· •		<u> </u>
	Daga 221		
	Page 331		Page 333
1	MS. O'DELL: Object to the form.	1	Page 333 cervix, which is the most common type, almost all
1 2		1 2	
	MS. O'DELL: Object to the form.		cervix, which is the most common type, almost all
2	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained	2	cervix, which is the most common type, almost all as close to 100 percent as possible have been
2	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder.	2 3	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV.
2 3 4	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot	2 3 4	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical
2 3 4 5	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question.	2 3 4 5	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes
2 3 4 5 6	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot	2 3 4 5 6	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct?
2 3 4 5 6 7	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in	2 3 4 5 6 7	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected
2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian	2 3 4 5 6 7 8	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV.
2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct?	2 3 4 5 6 7 8	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer
2 3 4 5 6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is
2 3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in	2 3 4 5 6 7 8 9 10	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there?
2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian	2 3 4 5 6 7 8 9 10 11	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9 10 11 12 13	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the	2 3 4 5 6 7 8 9 10 11 12 13	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand
2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian	2 3 4 5 6 7 8 9 10 11 12 13 14	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form. THE WITNESS: The science is the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common type of cervical cancer have had HPV; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form. THE WITNESS: The science is the epidemiology of increased risk of ovarian cancer in	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common type of cervical cancer have had HPV; correct? A. That's correct.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form. THE WITNESS: The science is the epidemiology of increased risk of ovarian cancer in women that are exposed to Johnson baby powder.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cervix, which is the most common type, almost all as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common type of cervical cancer have had HPV; correct? A. That's correct. Q. There is nothing even close to that in terms

84 (Pages 330 to 333)

	Page 334		Page 336
1	to the fallopian tube from a single ejaculation?	1	THE WITNESS: I think the journal, if
2	A. I don't.	2	it's going to publish, would want to make sure that
3	Q. You know that that's been studied; correct?	3	they are publishing information that's correct and,
4	A. I don't know that. The last time I did any	4	you know, through the peer review process, and also
5	reproductive endocrinology was in 1975. So I don't	5	any conflicts of interest are declared, any sources of
6	know what's	6	funding are usually declared, including grants from
7	Q. Let me ask you	7	National Institutes of Health, for example.
8	A been studied.	8	BY MS. BOCKUS:
9	Q. I apologize. I didn't mean to interrupt.	9	Q. When Dr. Saed placed talc on these cultured
10	A. Yes.	10	ovarian cancer cells, one of the findings that he
11	Q. Do you have any reason to believe that a talc	11	reported was that it increased the level of CA-125;
12	particle would fare better than a sperm in terms of	12	correct?
13	its chances of making it from the vagina to the ovary?	13	A. Yes.
14	MS. O'DELL: Object to the form.	14	Q. You would agree that CA-125 is raised by many
15	THE WITNESS: No.	15	things; correct?
16	BY MS. BOCKUS:	16	A. Yes, including inflammation in particular
17	Q. Do you think that it's probably that fewer	17	inflammation in terms of a false positive CA-125.
18	talc particles or a smaller percentage of talc	18	Q. It can be raised by pregnancy; is that right?
19	particles deposited into the vagina would make it to	19	A. Yes.
20	the ovary than percentage of sperm?	20	Q. Can be raised by cirrhosis of the liver?
21	A. I don't have an opinion.	21	A. Yes.
22	Q. Okay. With regard to studies by Dr. Saed, do	22	Q. Can be raised by uterine fibroids; correct?
23	you believe that it would have been appropriate for	23	A. Yeah
24	Dr. Saed to indicate on those studies that his	24	Q. By all kinds of things?
25	research was being funded by plaintiffs' lawyers in	25	A among other things, yes.
	Page 335		Page 337
1			
1	this litigation?	1	Q. And Dr. Saed did not use any positive or
1 2	this litigation? MS. O'DELL: Object to the form.	1 2	Q. And Dr. Saed did not use any positive or negative controls in his study, did he?
	-		
2	MS. O'DELL: Object to the form.	2	negative controls in his study, did he?
2	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand	2 3	negative controls in his study, did he? MS. O'DELL: Objection. Form.
2 3 4	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the	2 3 4	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS:
2 3 4 5	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report.	2 3 4 5	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study.
2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding,	2 3 4 5 6 7 8	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same
2 3 4 5 6 7	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report.	2 3 4 5 6 7 8	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to
2 3 4 5 6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys.	2 3 4 5 6 7 8 9	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying?
2 3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the	2 3 4 5 6 7 8 9 10	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from	2 3 4 5 6 7 8 9 10 11	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm
2 3 4 5 6 7 8 9 10 11 12	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and	2 3 4 5 6 7 8 9 10 11 12 13	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads
2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the	2 3 4 5 6 7 8 9 10 11 12 13 14	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be
2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate. He has controls in all of his tables here
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and disclosures that are asked as part of the peer review	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate. He has controls in all of his tables here (indicating). It's just the medium that the talc is
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate. He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure what the policies are of this particular journal.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate. He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes that he demonstrates in these cancer cells and these
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure what the policies are of this particular journal. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	negative controls in his study, did he? MS. ODELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate. He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes that he demonstrates in these cancer cells and these epithelial cells. It was the talc that caused the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure what the policies are of this particular journal. BY MS. BOCKUS: Q. So does such a conflict of interest only have	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate. He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes that he demonstrates in these cancer cells and these epithelial cells. It was the talc that caused the changes. That's why you do a control.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys — the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding? MS. O'DELL: Objection to form. THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure what the policies are of this particular journal. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	negative controls in his study, did he? MS. O'DELL: Objection. Form. THE WITNESS: He did use controls in his study. BY MS. BOCKUS: Q. Did Dr. Saed use any controls in which he applied a something like glass beads to the same tissue to see what the reaction would be compared to the talc he was applying? MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm not a laboratory scientist, but putting glass beads into a culture plate, for example? So that would be potentially another inflammatory product, so I don't know why one would put glass beads into the control plate. He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes that he demonstrates in these cancer cells and these epithelial cells. It was the talc that caused the

85 (Pages 334 to 337)

	Page 338		Page 340
1	to to determine whether talc causes these cells to	1	that that particulate in this case, talc causes
2	react differently than other items that have	2	cancer; correct?
3	previously been shown not to cause inflammation in the	3	MS. O'DELL: Object to the form.
4	cells, you would need to add something in addition to	4	THE WITNESS: It doesn't it's not
5	the medium; correct?	5	conclusive, but it certainly is a step in the process
6	MS. O'DELL: Objection to form.	6	leading towards cancer.
7	THE WITNESS: No. That's what a	7	BY MS. BOCKUS:
8	control is. Why would you add anything? That would	8	Q. And there are specific tests that can be done
9	be a third experiment. You've got your controls and	9	for genotoxicity; correct?
10	now your glass beads and now your talc.	10	Are you familiar with those
11	BY MS. BOCKUS:	11	A. I'm not familiar with what that exactly
12	Q. Is it your understanding that glass beads	12	means.
13	would cause inflammation to the ovarian epithelial?	13	Q. Have you seen studies where, in the lab, they
14	A. I don't know what they do. I don't know why	14	have started this process, such as Dr. Saed did with
15	one would put glass beads in a control.	15	causing a single gene mutation, and then implanting
16	Q. Other than the medium, did Dr. Saed	16	that tissue into a lab animal to see if it actually
17	include did he do any test to determine whether	17	grows into a cancer?
18	other particulate would cause the exact same reaction	18	MS. O'DELL: Object to the form.
19	as the tale?	19	THE WITNESS: I'm not aware of that,
20	A. I don't think that was part of his	20	but it's certainly I presume it's possible to do
21	experimental design.	21	something like that, but I'm not sure.
22	Q. Do you think that would have been an	22	BY MS. BOCKUS:
23	appropriate experimental design to determine if talc	23	Q. I think you've answered this question. And
24	elicited a response different than any other foreign	24	if you have, I apologize.
25	particulate?	25	What is the threshold response for talc?
	Page 339		Page 341
1		1	
1 2	MS. O'DELL: Object to the form.	1 2	Page 341 MS. O'DELL: Object to the form. THE WITNESS: The threshold response
2	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an		MS. O'DELL: Object to the form. THE WITNESS: The threshold response
	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and	2	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're
2	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was	2	MS. O'DELL: Object to the form. THE WITNESS: The threshold response
2 3 4	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going	2 3 4	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS:
2 3 4 5 6	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean	2 3 4 5	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you.
2 3 4 5	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS:	2 3 4 5	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS:
2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he	2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have.
2 3 4 5 6 7	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps;	2 3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you.
2 3 4 5 6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct?	2 3 4 5 6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you.
2 3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing	2 3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15
2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here.
2 3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene	2 3 4 5 6 7 8 9 10 11 12 13	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions?
2 3 4 5 6 7 8 9 10 11 12 13	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next	2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so,
2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no.
2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions? MR. ZELLERS: No further questions.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions? MR. ZELLERS: No further questions. MR. MIZGALA: I want to ask a question.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct? A. Yes. A little scary.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions? MR. ZELLERS: No further questions. MR. MIZGALA: I want to ask a question. MR. ZELLERS: Please do.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct? A. Yes. A little scary. Q. And we all have thank God, the way we're	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions? MR. ZELLERS: No further questions. MR. MIZGALA: I want to ask a question. MR. ZELLERS: Please do. CROSS-EXAMINATION BY COUNSEL FOR THE DEFENDANT PI
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct? A. Yes. A little scary. Q. And we all have thank God, the way we're put together, there are systems in place that detect	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions? MR. ZELLERS: No further questions. MR. MIZGALA: I want to ask a question. MR. ZELLERS: Please do. CROSS-EXAMINATION BY COUNSEL FOR THE DEFENDANT PI BY MR. MIZGALA:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct? A. Yes. A little scary. Q. And we all have thank God, the way we're put together, there are systems in place that detect gene mutations and kill them; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions? MR. ZELLERS: No further questions. MR. MIZGALA: I want to ask a question. MR. ZELLERS: Please do. CROSS-EXAMINATION BY COUNSEL FOR THE DEFENDANT PI BY MR. MIZGALA: Q. Doctor, on page 2 of your report, at the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct? A. Yes. A little scary. Q. And we all have thank God, the way we're put together, there are systems in place that detect	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: The threshold response that would induce cancer, I presume is what you're really asking? BY MS. BOCKUS: Q. Yes, sir. Thank you. A. I don't think we know that. MS. BOCKUS: That's all that I have. Thank you. THE WITNESS: Thank you. MS. BOCKUS: I'll cede back my last 15 minutes to the other defense counsel who are here. MS. O'DELL: Do you have questions? MR. BILLINGS-KANG: I don't think so, no. MS. O'DELL: Do you have questions? MR. ZELLERS: No further questions. MR. MIZGALA: I want to ask a question. MR. ZELLERS: Please do. CROSS-EXAMINATION BY COUNSEL FOR THE DEFENDANT PT BY MR. MIZGALA:

86 (Pages 338 to 341)

	Page 342		Page 344
1	"I approached each article	1	and they were hypotheticals, as I recall regarding
2	objectively and critically,	2	specific patients and the cause or causes of their
3	assessing for factors such as	3	ovarian cancer.
4	design, power, reputation of the	4	In regard to a woman who has potentially,
5	authors, quality of the journal,	5	say, a BRCA mutation maybe she's of a certain
6	and potential biases."	6	age and she's a routine user of talcum powder such
7	Correct?	7	as Johnson's baby powder, do you have an opinion as to
8	A. Yes, that's what I wrote.	8	what the causes of her cancer would be?
9	Q. Where is that where is that written down?	9	MR. ZELLERS: Objection. Form.
10	Where is it compiled?	10	THE WITNESS: So several causes, but
11	A. Where is what compiled?	11	the talcum powder would have to be considered a
12	Q. All those things that you assessed? Did you	12	contributing cause to her ovarian cancer.
13	reduce that to writing anywhere?	13	BY MS. O'DELL:
14	A. No. I mean, these are the articles	14	Q. For a woman who has in whom there's not
15	I identified and reviewed and assessed (indicating).	15	been identified a known risk factor but she is a
16	Q. Okay. So you don't have a spreadsheet or	16	routine user of talcum powder such as baby powder or
17	something of all these factors that you assessed?	17	Shower to Shower, do you have an opinion as to what
18	A. No.	18	one of the causes of her cancer ovarian cancer
19	MS. O'DELL: Objection to form.	19	would be?
20	THE WITNESS: No.	20	MR. ZELLERS: Objection. Form.
21	BY MR. MIZGALA:	21	THE WITNESS: What I've been trying to
22	Q. In your head?	22	say all day is the Johnson & Johnson baby powder
23	A. In my head at the time, and I chose articles	23	causes ovarian cancer. In this particular patient, it
24	that I thought were appropriate to put into my report.	24	is a significant contributing cause.
	1 m 1 mm 1 mm 1 m 1 m 1 m 1 m 1 m 1 m 1		
25	MR. MIZGALA: Okay. No further	25	MS. O'DELL: I have nothing further,
25	MR. MIZGALA: Okay. No further Page 343	25	MS. O'DELL: I have nothing further, Page 345
25		25	
	Page 343		Page 345
1	Page 343 questions.	1	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you.
1 2	Page 343 questions. MS. O'DELL: Let's go off the record.	1 2	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you.
1 2 3	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at	1 2 3	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE
1 2 3 4	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m.	1 2 3 4	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS:
1 2 3 4 5	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.)	1 2 3 4 5	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THI JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to
1 2 3 4 5	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record	1 2 3 4 5	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were
1 2 3 4 5 6 7 8	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS	1 2 3 4 5 6 7 8	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THI JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct?
1 2 3 4 5 6 7 8	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL:	1 2 3 4 5 6 7 8 9	Page 345 Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form.
1 2 3 4 5 6 7 8 9	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few	1 2 3 4 5 6 7 8 9	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THI JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes.
1 2 3 4 5 6 7 8 9	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you.	1 2 3 4 5 6 7 8 9 10	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further
1 2 3 4 5 6 7 8 9 10 11	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to	1 2 3 4 5 6 7 8 9 10 11 12	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions.
1 2 3 4 5 6 7 8 9 10 11 12 13	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian	1 2 3 4 5 6 7 8 9 10 11 12 13	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one.
1 2 3 4 5 6 7 8 9 10 11 12 13 14	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer?	1 2 3 4 5 6 7 8 9 10 11 12 13 14	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THI JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THI
1 2 3 4 5 6 6 7 8 9 10 11 12 13 14 15	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS:
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	questions. MS. ODEIL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. ODEIL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THI JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THI DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation
1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL:	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation
1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL:	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THI JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THI DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses — and has a lifetime history of using talcum powder is at a higher risk of developing ovarian
1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled and cause ovarian cancer?	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THI JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THI DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum powder is at a higher risk of developing ovarian cancer than women who have the BRCA gene mutation and
1 2 3 4 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	questions. MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled and cause ovarian cancer? MR. ZELLERS: Objection. Form.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Doctor. Thank you. THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum powder is at a higher risk of developing ovarian cancer than women who have the BRCA gene mutation and have never used talcum powder?

87 (Pages 342 to 345)

	Page 346	Page 348
1	of having ovarian cancer. I'm not aware of any study	1 ERRATA
2	that's been able to investigate that to date.	2 CASE NAME: TALCUM POWDER LITIGATION MDL NO. 2738CASE
3	BY MS. BOCKUS:	3 WITNESS NAME: DANIEL L. CLARKE-PEARSON, M.D.
4	Q. That is something that could be investigated;	4 CASE NUMBER: 16-2738 (FLW)(LHG)
5	correct?	5 PAGE LINE READS SHOULD READ
6		6
	MS. O'DELL: Object to the form.	
7	THE WITNESS: In a case-control study,	
8	yes.	
9	BY MS. BOCKUS:	9
10	Q. But to your knowledge, it's never been	10
11	reported; correct?	
12	A. Not that I'm aware of.	12
13	MS. BOCKUS: That's all I have.	13
14	THE WITNESS: Thank you, everybody.	14
15	MR. ZELLERS: Thank you, Doctor.	15
16	THE VIDEOGRAPHER: Just one second.	16
17	This concludes the deposition of Dr. Daniel	17
18	Clarke-Pearson. Time going off the record is	18
19	5:44 p.m.	19
20	(Whereupon, at 5:44 p.m., the deposition ceased.	20
21	Signature was reserved.)	21
22		22
23		23
24		24
25		25
23		
	Page 347	
1	ACKNOWLEDGMENT OF DEPONENT	1 STATE OF NORTH CAROLINA)
		i STATE OF NORTH CAROLINA)
2	I, DANIEL L. CLARKE-PEARSON, M.D., do hereby) CERTIFICATE
2	I, DANIEL L. CLARKE-PEARSON, M.D., do hereby acknowledge that I have read and examined the foregoing) CERTIFICATE 2 COUNTY OF ORANGE)
	acknowledge that I have read and examined the foregoing) CERTIFICATE 2 COUNTY OF ORANGE) 3 I, Sophie Brock, Court Reporter and Notary
3	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete) CERTIFICATE COUNTY OF ORANGE) I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding
3	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any) CERTIFICATE COUNTY OF ORANGE) I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es)
3 4 5	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed) CERTIFICATE COUNTY OF ORANGE) I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were
3 4 5 6 7	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any) CERTIFICATE COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es)
3 4 5 6 7 8	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed) CERTIFICATE COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and
3 4 5 6 7 8	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.) CERTIFICATE COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that
3 4 5 6 7 8 9	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed) CERTIFICATE COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that
3 4 5 6 7 8 9 10	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.) CERTIFICATE COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and
3 4 5 6 7 8 9 10 11	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel
3 4 5 6 7 8 9 10 11 12	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to
3 4 5 6 7 8 9 10 11 12 13	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or
3 4 5 6 7 8 9 10 11 12 13 14	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the
3 4 5 6 7 8 9 10 11 12 13 14 15 16	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested
3 4 5 6 7 8 9 10 11 12 13 14	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action.
3 4 5 6 7 8 9 10 11 12 13 14 15 16	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action. This, the 6th day of February, 2019.
3 4 5 6 7 8 9 10 11 12 13 14 15 16	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action. This, the 6th day of February, 2019.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action. This, the 6th day of February, 2019.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action. This, the 6th day of February, 2019.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action. This, the 6th day of February, 2019.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action. This, the 6th day of February, 2019.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	acknowledge that I have read and examined the foregoing testimony, and the same is a true, correct, and complete transcription of the testimony given by me, and any corrections appear on the attached errata sheet signed by me.	COUNTY OF ORANGE I, Sophie Brock, Court Reporter and Notary Public, the officer before whom the foregoing proceeding was conducted, do hereby certify that the witness(es) whose testimony appears in the foregoing proceeding were duly sworn by me; that the testimony of said witness(es) were taken by me to the best of my ability and thereafter transcribed under my supervision; and that the foregoing pages, inclusive, constitute a true and accurate transcription of the testimony of the witness(es). I do further certify that I am neither counsel for, related to, nor employed by any of the parties to this action, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereof, nor financially or otherwise interested in the outcome of said action. This, the 6th day of February, 2019.

88 (Pages 346 to 349)